LEVEL III

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USARTL-TR-78-23B-VOL-2C

INTERACTIONAL AERODYNAMICS OF THE SINGLE ROTOR HELICOPTER CONFIGURATION,

VOLUME II-C. Harmonic Analyses of Airframe Surface Pressure Data, Runs 7-14, Aft Section.

Philip F./Sheridan

Boeing Vertol Company
P.O. Box 16858
Philadelphia, Pa 19142

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APPLIED TECHNOLOGY LABORATORY

U. S. ARMY RESEARCH AND TECHNOLOGY LABORATORIES (AVRADCOM)

Fort Eustis, Va. 23604

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APPLIED TECHNOLOGY LABORATORY POSITION STATEMENT

In 1975 a wind tunnel test program was conducted in the Boeing-Vertol 20-foot V/STOL Wind Tunnel on a 1/5th-scale UTTAS model to investigate and find solutions for several aerodynamic problems encountered during the UTTAS flight-testing. Specifically, these tests focused upon (a) the structure of the hub/rotor wake in the vicinity of the empennage, (b) the formulation of the ground vortex and its relation to hub loads and fuselage loads during transition, and (c) the occurrence of vibratory air pressures from the blade passing over the fuselage. Only portions of the above-mentioned wind tunnel test data were reduced and analyzed in addressing the flight-test problems of the UTTAS aircraft.

Under Contract DAAJ02-77-C-0020, Boeing-Vertol completed analyses on the data to understand more completely the aerodynamic interactions that are involved and to formulate instructions for the guidance of designers in these respects. The results of these studies are applicable to all existing and future single-rotor/tail rotor helicopters. The data have been segregated according to aerodynamic interactions and associated phenomena/problem areas. From this body of knowledge, a generalized set of design guidelines meaningful to the single-rotor helicopter design concept formulation were developed and are included in these reports.

Mr. Robert P. Smith of the Aeronautical Technology Division, Aeromechanics Technical Area, served as project engineer for this effort.

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Volume II of an eight volume report.
Volume II is comprised of nine sub-volumes (A through I).

19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

Rotor	Aerodynamic Interaction	Tail Boom
Downwash	Flow Environment	
Flow	Vibratory Pressures	
Interaction	Empennage	

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

This is the third of the nine sub-volumes of Volume II. These documents contain harmonic analyses of the waveforms generated by each of the 53 pressure transducers, which covered the surface of the model fuselage and empennage. This sub-volume covers the first eight of the twenty-seven runs devoted to surface pressure testing. The analyses encompass the transducers in the aft section of the model. Test conditions and configurations include baseline data, climb and descent, disk loading variation, and application of strakes.

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<u>PREFACE</u>

The entire report describing the investigation of INTERACTIONAL AERODYNAMICS OF THE SINGLE-ROTOR HELICOPTER CONFIGURATION comprises eight numbered volumes bound as 33 separate documents. The complete list of these documents is as follows:

Volume I, Final Report

Volume II, Harmonic Analyses of Airframe Surface Pressure Data
- A — Runs 7-14, Forward Section
- B — Runs 7-14, Mid Section
- C — Runs 7-14, Aft Section
- D — Runs 15-22, Forward Section
- E — Runs 15-22, Mid Section
- F — Runs 15-22, Aft Section
- G — Runs 23-33, Forward Section
- H — Runs 23-33, Mid Section
- I — Runs 23-33, Aft Section

Volume III, Flow Angle and Velocity Wake Profiles in Low-Frequency Band
- A — Basic Investigations and Hubcap Variations
- B — Air Ejector Systems and Other Devices

Volume IV, One-Third Octave Band Spectrograms of Wake Split-Film Data
- A — Buildup to Baseline
- B — Basic Configuration Wake Explorations
- C — Solid Hubcaps
- D — Open Hubcaps
- E — Air Ejectors
- F — Air Ejectors With Hubcaps; Wings
- G — Fairings and Surface Devices

Volume V, Harmonic Analyses of Hub Wake

Volume VI, One-Third Octave Band Spectrograms of Wake Single Film Data
- A — Buildup to Baseline
- B — Basic Configuration Wake Exploration
- C — Hubcaps and Air Ejectors

Volume VII, Frequency Analyses of Wake Split-Film Data
- A — Buildup to Baseline
- B — Basic Configuration Wake Explorations
- C — Solid Hubcaps

This volume is →

3

4

TABLE OF CONTENTS

INTRODUCTION

Volume II summarizes the harmonic analyses of the airframe
surface pressures measured at 53 locations on the fuselage,
nacelles, and empennage of the model. These values are pre-
sented in nine volumes resulting from the following division
of runs and pressures.

Volume	Runs	Pressure Section
II-A	7-14	Forward
II-B	"	Mid
II-C	"	Aft
II-D	15-22	Forward
II-E	"	Mid
II-F	"	Aft
II-G	23-53	Forward
II-H	"	Mid
II-I	"	Aft

A computer printout sheet is provided for each pressure trans-
ducer for every run. The steady and ten harmonic components
are given in pounds per square inch. The resultant and its
phase angle are shown as well as the sine and cosine. A
machine plotted time history with points every three degrees is
offered for reference.

The parameters of any run may be found in the list of Test Runs
(Table 1), a copy of which appears in each volume.

The designation (PS number) of the pressure sensors within each
section are shown below.

Forward Section	Mid Section	Aft Section
004.1	045.1	081.1
013.1	045.2	081.2
013.2	047.1	081.3
013.3	047.2	099.1
015.1	048.1	099.2
017.1	048.2	099.3
017.2	048.3	107.1
017.3	052.1	107.2
017.4	052.2	107.3
017.5	056.1	107.4
017.6	056.2	107.5
017.7	056.3	107.6
023.1	057.1	112.1
023.2	057.2	112.2
023.3	071.1	117.1
023.4	072.1	117.2
023.5	072.2	
026.1		

6

The location of each transducer is shown in the scaled model drawing (Figure 1) and the listing of the transducer locations (Table 2).

The great majority of the pressure data points permitted usable harmonic analysis. Occasionally the computer program would skip a case with too many points beyond the valid voltage bandwidth of the measurement system. This is noted by the words "BANDEDGE". There are also a few cases where a very flat variation indicates an inoperative transducer.

TABLE 1

LIST OF TEST RUNS

MEASUREMENT OF VIBRATORY SURFACE PRESSURES

RUN NO.	CONFIGURATION/CONDITION	V_{TUN} KNOTS	RPM MR/TR	DISK LDG. psf	MODEL ANGLES α°	MODEL ANGLES ψ°	MR HT. h/d	TAIL ROTOR
7	K_1/(a) Level flight baseline	60	1433/4500	8	2.2	-6.5	∞	On
"	"/(b) Max. gross weight level flt. baseline	"	"	10	3.3	=	=	=
8	"/(a) Repeat 7(a)	"	"	8	2.2	=	=	=
"	"/(b) Increase speed to maximum	160	"	=	-3.5	-2.0	=	=
9	K_2/Repeat high speed baseline with TR off	"	1433/0	=	=	=	=	Off
10	"/Max. climb at low speed	60	"	=	-26.5	-15	=	=
11	"/(a) Repeat 10; T.P. 2,3,4,5	"	"	=	-26.5	-15	=	=
"	"/(b) Repeat 7(a) with TR off, T.P. 6,7,8,9	"	"	=	2.2	-6.5	=	=
12	"/(a) Repeat 7(b) with TR off	"	"	10	3.3	-6.5	=	=
"	"/(b) Max. G.W. at max. speed with TR off	160	"	=	-2.0	-2.0	=	=
13	K_2+S_1/Check longitudinal strakes	"	"	8	-3.5	-2.0	=	=
14	K_2+S_2/Check lateral strakes	"	"	=	=	=	=	=

8

TABLE 1. CONTINUED

LIST OF TEST RUNS

MEASUREMENT OF VIBRATORY SURFACE PRESSURES

RUN NO.	CONFIGURATION/CONDITION	V_{TUN} KNOTS	RPM MR/TR	DISK LDG. psf	MODEL ANGLES		MR HT.	TAIL ROTOR
					$\alpha°$	$\psi°$	h/d	
15	K_3/Effect of 45° tapered blade root cutout	160	1433/0	8	-3.5	-2.0	∞	Off
16	K_2+VG_1/Effect of vortex generators on forward crown	"	"	"	"	"	"	"
17	K_2/Autorotation	60	"	"	21	0	"	"
18	K_2+S_3/Effect of lower longitudinal strakes	160	"	"	-3.5	-2.0	"	"
19	K_4/Rotor raised 2.5 inches	"	"	"	"	"	"	"
20	K_4+S_3/Lower strakes added to raised rotor	"	"	"	"	"	"	"
21	K_5/Rotor raised 5.0 inches	"	"	"	"	"	"	"
22	K_5+S_3/Lower strakes with rotor in highest position	"	"	"	"	"	"	"
23	K_2/Autorotation at maximum speed	"	"	"	"	"	"	"

TABLE 1. CONTINUED

LIST OF TEST RUNS

MEASUREMENT OF VIBRATORY SURFACE PRESSURES

RUN NO.	CONFIGURATION/CONDITION	V_{TUN} KNOTS	RPM MR/TR	DISK LDG. psf	MODEL ANGLES		MR HT. h/d	TAIL ROTOR
					$\alpha°$	$\psi°$		
24	K_2/Level flight speed sweep	20	1433/0	8	5.3	0	∞	Off
25	=	30	=	=	5.0	=	=	=
26	=	40	=	=	4.4	=	=	=
27	=	50	=	=	3.5	=	=	=
28	=	60	=	=	2.2	-6.5	=	=
29	=	80	=	=	0.2	-3.2	=	=
30	=	100	=	=	-0.6	-2.3	=	=
31	=	120	=	=	-1.6	-2.2	=	=
32	=	140	=	=	-2.7	-2.1	=	=
33	=	160	=	=	-3.5	-1.9	=	=
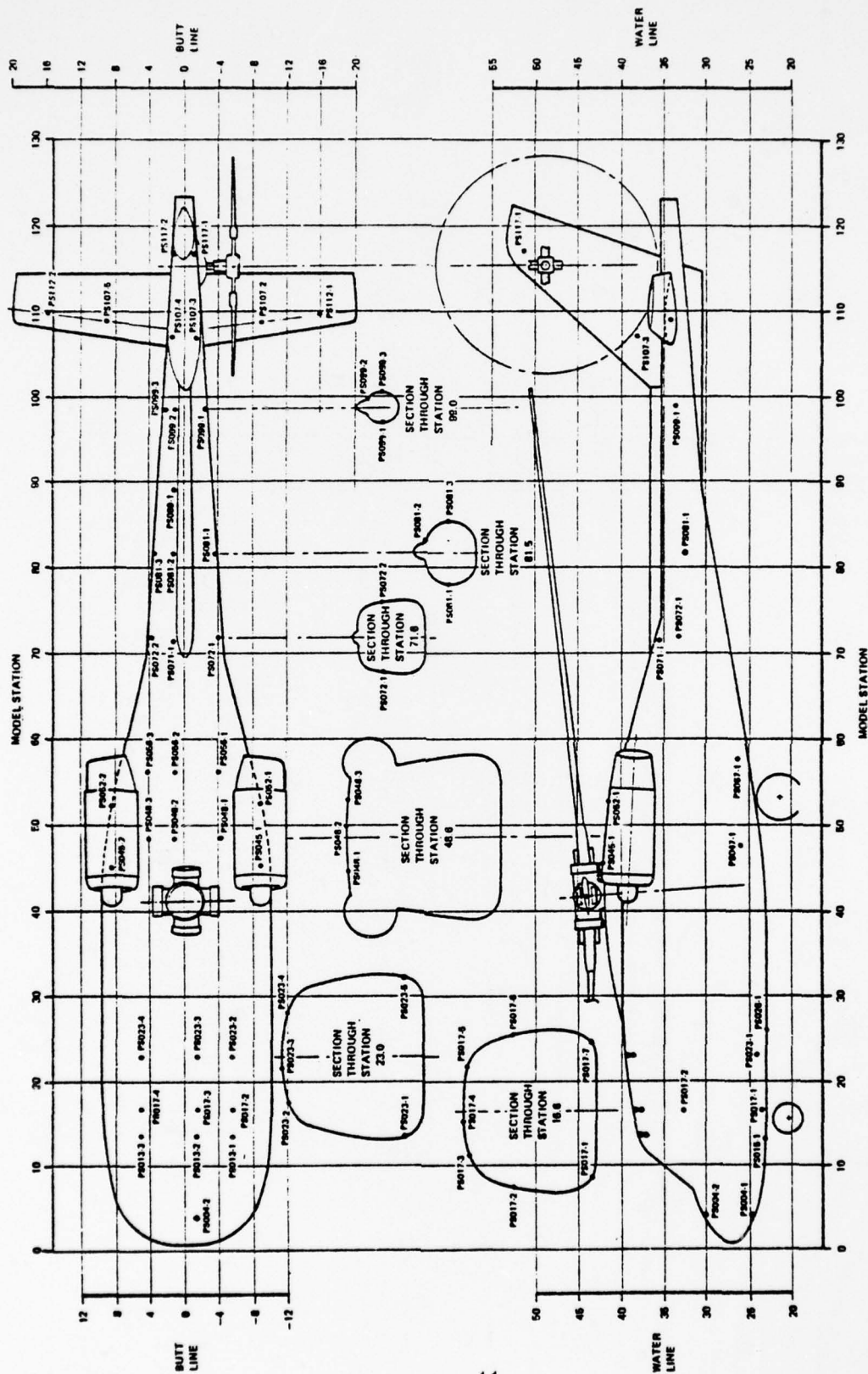
FIGURE 1 -1/4.85 SCALE MODEL GEOMETRY AND
SURFACE PRESSURE TRANSDUCER LOCATIONS

11

TABLE 2
PRESSURE TRANSDUCER LOCATIONS

TRANSDUCER DESIGNATION	MODEL STATION	WATER LINE	BUTT LINE	LOCATION DESCRIPTION
PS004-1	4.0	-	-1.2	Lower Surface
-2	4.0	-	-1.2	Upper Surface
PS013-1	13.4	-	-5.3	Forward Crown
-2	13.4	-	-1.2	Forward Crown
-3	13.4	-	5.2	Forward Crown
PS015-1	13.4	-	-1.2	Lower Surface
PS017-1	16.6	24.2	-	Left Side
-2	16.6	33.4	-	Left Side
-3	16.6	-	-5.3	Forward Crown
-4	16.6	-	-1.2	Forward Crown
-5	16.6	-	5.2	Forward Crown
-6	16.6	33.4	-	Right Side
-7	16.6	24.2	-	Right Side
PS023-1	23.0	25.9	-	Left Side
-2	23.0	-	-5.3	Forward Crown
-3	23.0	-	-1.2	Forward Crown
-4	23.0	-	5.2	Forward Crown
-5	23.0	25.9	-	Right Side
PS026-1	26.0	-	-1.2	Under Surface
PS045-1	45.4	-	-8.7	Top of Nacelle
-2	45.4	-	8.7	Top of Nacelle
PS047-1	47.4	26.6	-	Left Side
-2	47.4	26.6	-	Right Side
PS048-1	48.6	-	-3.9	Aft Crown
-2	48.6	-	1.2	Aft Crown
-3	48.6	-	4.4	Aft Crown
PS052-1	52.6	-	-8.7	Top of Nacelle
-2	52.6	-	8.7	Top Nacelle

12

TABLE 2 (CONTINUED)
PRESSURE TRANSDUCER LOCATIONS

TRANSDUCER DESIGNATION	MODEL STATION	WATER LINE	BUTT LINE	LOCATION DESCRIPTION
PS056-1	56.2	–	-3.9	Aft Crown
-2	56.2	–	1.2	Aft Crown
-3	56.2	–	4.4	Aft Crown
PS057-1	57.4	27.0	–	Left Side
-2	57.4	27.0	–	Right Side
PS071-1	71.4	–	1.2	Top Surface
PS072-1	71.6	28.9	–	Left Side
-2	71.6	28.9	–	Right Side
PS081-1	81.5	28.9	–	Left Side
-2	81.5	–	1.2	Top Surface
-3	81.5	28.9	–	Right Side
PS089-1	89.4	–	1.2	Top Surface
PS099-1	99.0	28.9	–	Left Side
-2	99.0	–	1.2	Top Surface
-3	99.0	28.9	–	Right Side
PS107-1	109.5	–	-8.6	Lower Surf. - Stab.
-2	109.5	–	-8.6	Upper Surf. - Stab.
-3	109.5	38.7	–	Left Side - Fin
-4	109.5	38.7	–	Right Side - Fin
-5	109.5	–	8.6	Upper Surf. - Stab.
-6	109.5	–	8.6	Lower Surf. - Stab.
PS112-1	110.3	–	-15.9	Upper Surf. - Stab.
-2	110.3	–	15.9	Upper Surf. - Stab.
PS117-1	117.0	47.7	–	Left Side - Fin
-2	117.0	47.7	–	Right Side - Fin

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   7
ENTERED   44   TP   5
OUT OF RANGE   0   CHAN 54
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.78514E-01	1	0.81697E-04	-0.22495E-02	0.22510E-02	177.9
	2	-0.16069E-02	0.96261E-03	0.18732E-02	300.9
	3	0.92595E-03	0.31865E-03	0.97924E-03	71.0
	4	0.10166E-02	-0.88230E-02	0.88814E-02	173.4
	5	-0.14233E-03	0.17313E-04	0.14338E-03	276.9
	6	0.19539E-03	0.16522E-03	0.25588E-03	49.7
	7	0.22912E-03	0.18896E-03	0.29699E-03	50.4
	8	0.17705E-02	0.94247E-03	0.20058E-02	61.9
	9	0.28248E-03	-0.12200E-03	0.30770E-03	113.3
	10	0.24207E-04	0.69151E-04	0.73265E-04	19.2

MAX=-0.65192E-01   MIN=-0.89347E-01   PEAK TO PEAK/2= 0.12077E-01

AZIMUTH POSITION IN DEGREES

14

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2 WAVEFORM ***
***   CYCLE 0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   5
CHAN 59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10645E 00	1	0.17034E-03	-0.22659E-02	0.22723E-02	175.7
	2	-0.46911E-02	0.61433E-02	0.77296E-02	322.6
	3	-0.52113E-03	-0.83985E-02	0.84146E-02	183.5
	4	0.13499E-01	-0.14624E-01	0.19902E-01	137.2
	5	0.16530E-02	0.17316E-02	0.23940E-02	43.6
	6	-0.32064E-02	-0.22307E-03	0.32141E-02	266.0
	7	-0.99807E-03	-0.14702E-02	0.17770E-02	214.1
	8	0.19668E-02	-0.10311E-02	0.22207E-02	117.6
	9	0.10989E-02	-0.10892E-02	0.15472E-02	134.7
	10	0.85659E-03	0.10751E-02	0.13747E-02	38.5

MAX= 0.15030E 00 MIN= 0.71711E-01 PEAK TO PEAK/2= 0.39298E-01

AZIMUTH POSITION IN DEGREES

15

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.3   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   5
CHAN   49

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.19851E 00	1	-0.34313E-03	0.55587E-04	0.34760E-03	279.2
	2	-0.40231E-03	-0.25661E-02	0.25975E-02	188.9
	3	0.12157E-02	-0.22241E-03	0.12359E-02	100.3
	4	0.95065E-02	-0.65755E-03	0.95292E-02	93.9
	5	0.34288E-03	-0.65372E-03	0.73818E-03	152.3
	6	-0.33925E-03	-0.11457E-02	0.11949E-02	196.4
	7	-0.42252E-03	-0.17153E-03	0.45601E-03	247.9
	8	-0.13422E-02	-0.10108E-03	0.13460E-02	265.6
	9	0.22113E-04	0.30075E-03	0.30156E-03	4.2
	10	0.15188E-03	-0.38160E-03	0.41071E-03	158.2

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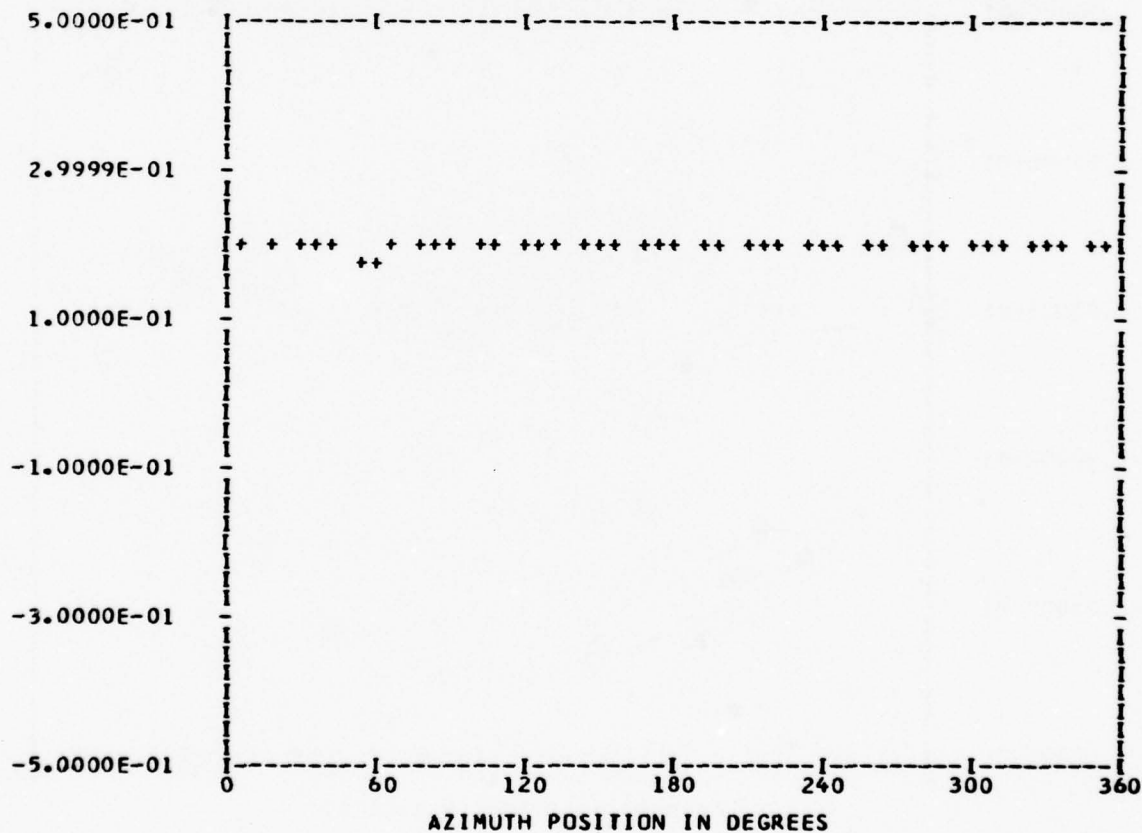
AZIMUTH POSITION IN DEGREES

16

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO89.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***

ENTERED	43	RUN 7
OUT OF RANGE	0	TP 5
BANDEDGE	0	CHAN 45

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.22158E-01	1	-0.14270E-02	-0.89773E-03	0.16859E-02	237.8
	2	0.41578E-02	-0.18951E-02	0.45693E-02	114.5
	3	-0.90594E-02	0.23933E-02	0.93702E-02	284.7
	4	0.13638E-01	-0.81767E-02	0.15902E-01	120.9
	5	-0.14460E-02	-0.11765E-02	0.18642E-02	230.8
	6	0.19811E-02	0.18054E-02	0.26804E-02	47.6
	7	-0.22658E-02	-0.22343E-02	0.31822E-02	225.4
	8	-0.30370E-02	0.17374E-02	0.34988E-02	299.7
	9	-0.24647E-02	0.84597E-03	0.26058E-02	288.9
	10	0.36203E-02	-0.18310E-02	0.40570E-02	116.8

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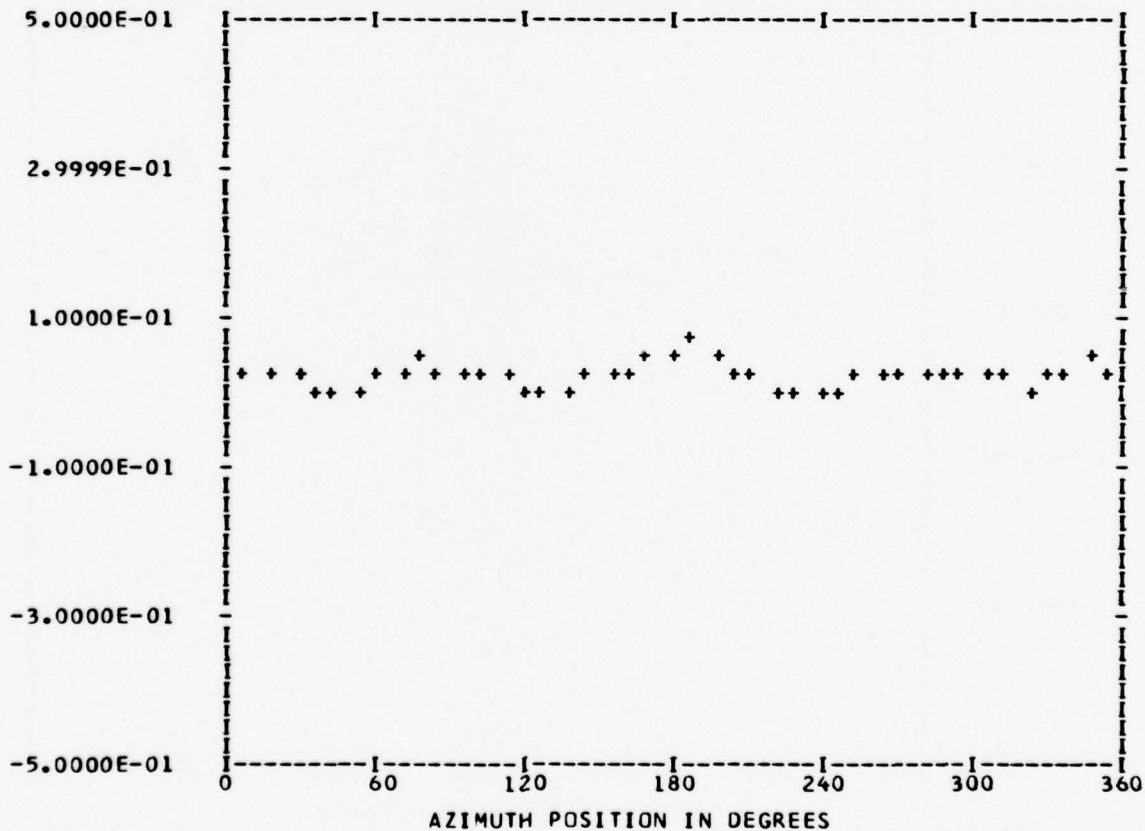
AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.1   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   7
OUT OF RANGE   0   TP   5
BANDEDGE   0   CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.15871E 00	1	0.39446E-02	0.39786E-02	0.56026E-02	44.7
	2	0.91259E-03	-0.31557E-02	0.32850E-02	163.8
	3	-0.77157E-02	-0.71196E-02	0.10498E-01	227.3
	4	-0.13529E-02	-0.11043E-01	0.11125E-01	186.9
	5	-0.42150E-02	0.16789E-02	0.45371E-02	291.7
	6	-0.22114E-02	-0.82684E-03	0.23609E-02	249.4
	7	-0.10652E-02	-0.32991E-02	0.34668E-02	197.8
	8	0.69486E-03	0.33221E-02	0.33940E-02	11.8
	9	-0.77166E-03	-0.59586E-03	0.97494E-03	232.3
	10	0.25698E-03	-0.40401E-03	0.47882E-03	147.5

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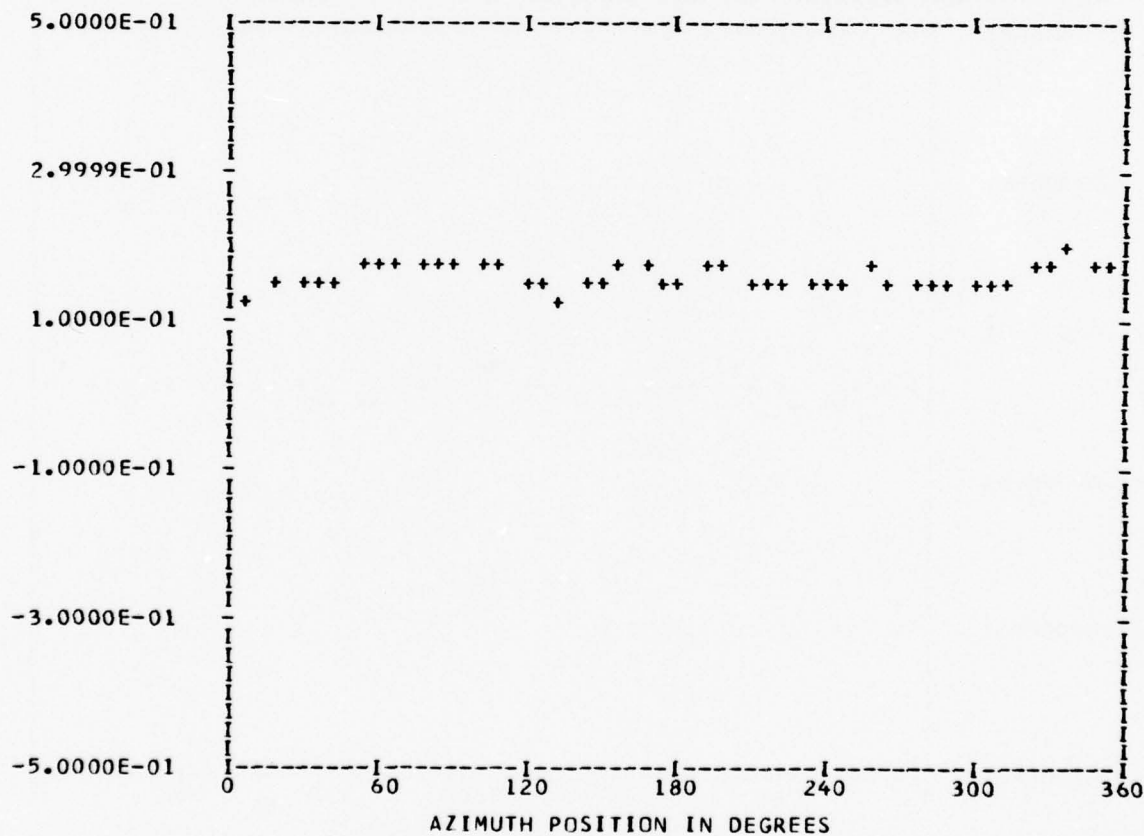
AZIMUTH POSITION IN DEGREES

18

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PSO99.2  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                              RUN    7
ENTERED              43                                            TP     5
OUT OF RANGE          0                                            CHAN  46
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.42727E 00	1	-0.58589E-03	-0.74421E-02	0.74651E-02	184.5
	2	-0.92115E-02	-0.19618E-02	0.94181E-02	257.9
	3	-0.84393E-03	0.62842E-02	0.63407E-02	352.3
	4	0.77167E-02	-0.15895E-02	0.78787E-02	101.6
	5	0.64516E-03	-0.24197E-02	0.25042E-02	165.0
	6	0.72717E-03	-0.20074E-03	0.75437E-03	105.4
	7	0.52697E-03	0.24511E-02	0.25071E-02	12.1
	8	-0.16846E-02	0.55290E-02	0.57800E-02	343.0
	9	0.85744E-03	0.22188E-02	0.23787E-02	21.1
	10	0.57393E-03	0.13777E-02	0.14925E-02	22.6

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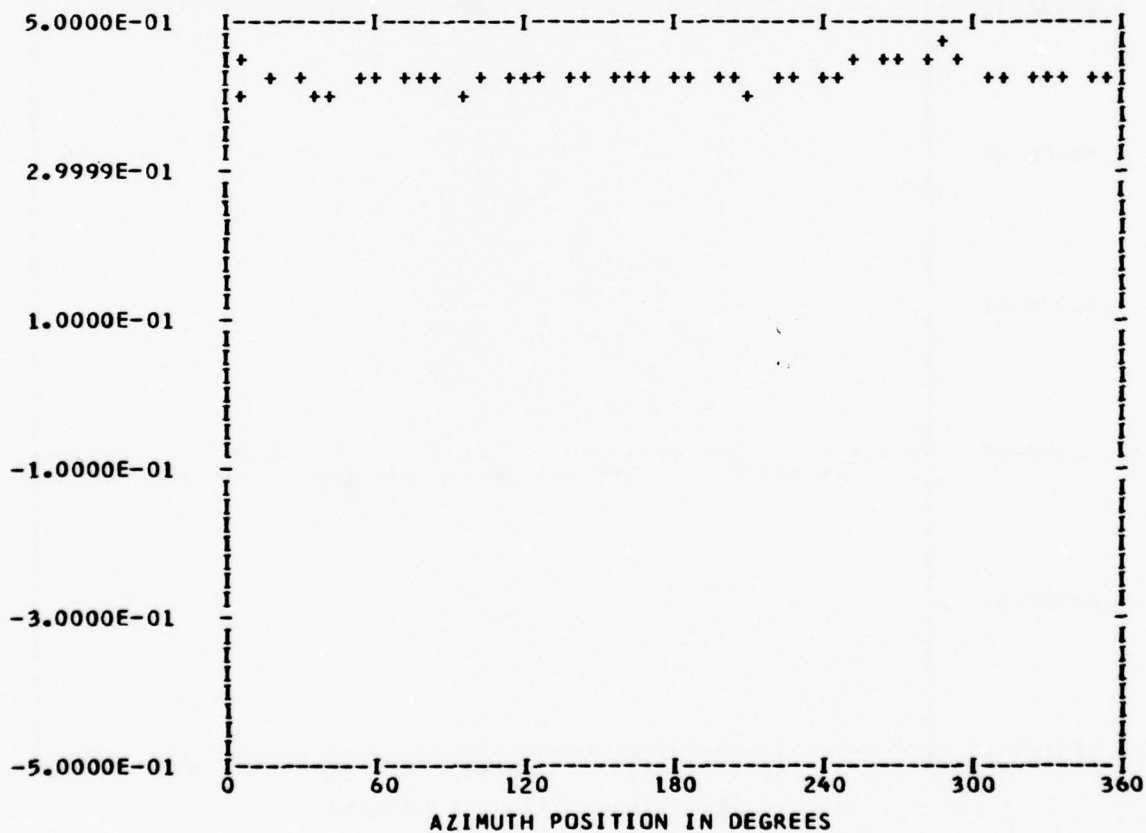
AZIMUTH POSITION IN DEGREES

19

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO99.3 WAVEFORM ***
*** CYCLE   0   ***

RUN   7
TP   5
CHAN   51

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.11716E 00	1	0.20251E-02	0.27772E-02	0.34372E-02	36.0
	2	-0.30331E-03	-0.17892E-02	0.18147E-02	189.6
	3	0.41894E-02	-0.20963E-02	0.46846E-02	116.5
	4	0.90954E-02	-0.55939E-02	0.10678E-01	121.5
	5	-0.85999E-03	-0.13676E-02	0.16155E-02	212.1
	6	0.21303E-02	0.21308E-02	0.30130E-02	44.9
	7	-0.10600E-02	0.18277E-02	0.21128E-02	329.8
	8	-0.17212E-02	0.14817E-02	0.22711E-02	310.7
	9	-0.92974E-03	0.73642E-03	0.11860E-02	308.3
	10	-0.51002E-03	0.13665E-03	0.52801E-03	284.9

MAX=-0.10194E 00   MIN=-0.13645E 00   PEAK TO PEAK/2= 0.17256E-01
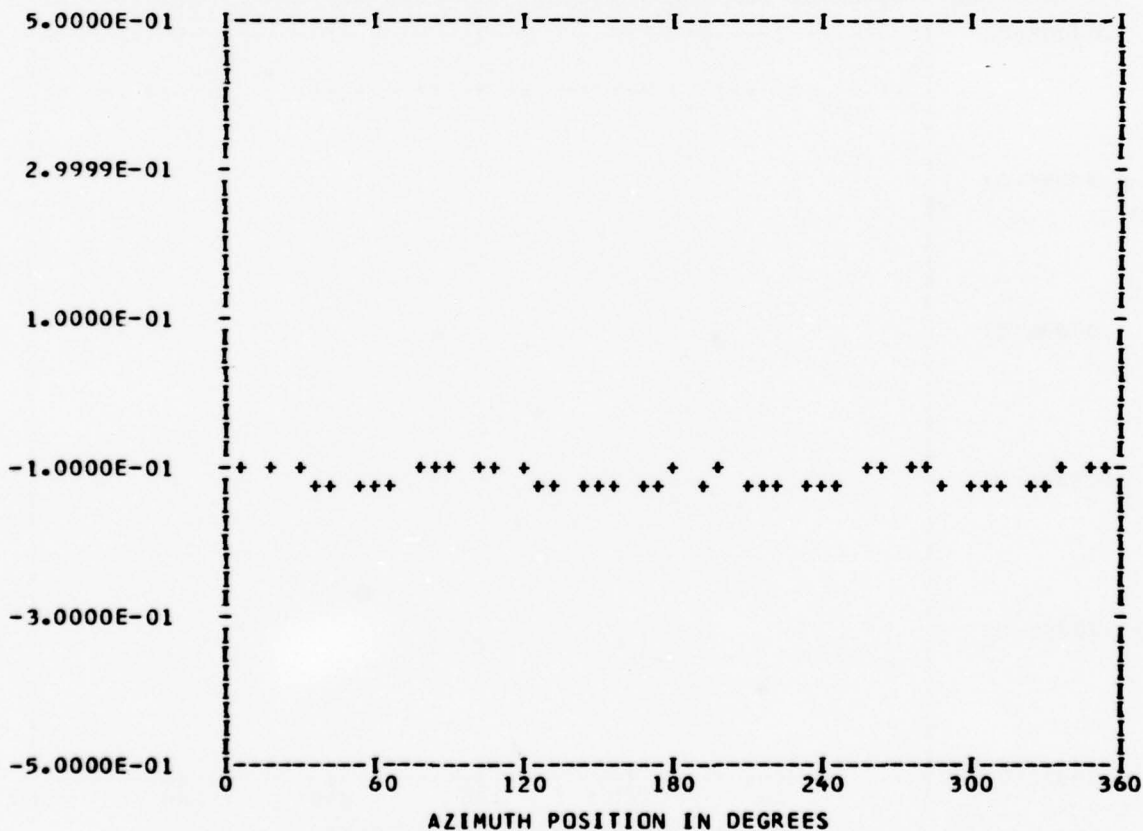
AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.1   WAVEFORM ***
                    ***        CYCLE   0       ***
*** DATA ANALYSIS ***                                        RUN     7
ENTERED            44                                        TP      5
OUT OF RANGE        0                                        CHAN   55
BANDEDGE            0

      STEADY      HARM    COS COEFF       SIN COEFF          RES        PHASE
   0.13634E 00      1   -0.27667E-02     0.48469E-02      0.55810E-02   330.2
                    2   -0.90342E-03    -0.67298E-02      0.67902E-02   187.6
                    3    0.49685E-02    -0.13904E-01      0.14765E-01   160.3
                    4    0.63633E-02    -0.12362E-01      0.13903E-01   152.7
                    5   -0.14327E-02    -0.15585E-02      0.21170E-02   222.5
                    6   -0.66613E-03    -0.50864E-02      0.51298E-02   187.4
                    7   -0.46784E-03    -0.18866E-02      0.19438E-02   193.9
                    8   -0.80839E-04    -0.84042E-03      0.84430E-03   185.4
                    9   -0.69275E-03    -0.75735E-03      0.10263E-02   222.4
                   10   -0.13840E-02    -0.55803E-03      0.14922E-02   248.0
```

MAX= 0.18213E 00   MIN= 0.10159E 00   PEAK TO PEAK/2= 0.40269E-01

AZIMUTH POSITION IN DEGREES

21

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***				RUN	7
ENTERED	44			TP	5
OUT OF RANGE	0			CHAN	60
BANDEDGE	0				

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.92225E-01	1	0.36290E-02	-0.22868E-02	0.42895E-02	122.2
	2	-0.47031E-03	0.18114E-02	0.18714E-02	345.4
	3	-0.39112E-02	0.69252E-02	0.79534E-02	330.5
	4	-0.41937E-02	0.63175E-03	0.42410E-02	278.5
	5	-0.17897E-02	0.34890E-02	0.39213E-02	332.8
	6	0.20574E-02	0.22020E-02	0.30136E-02	43.0
	7	0.14916E-02	-0.10533E-02	0.18260E-02	125.2
	8	0.37708E-02	-0.14007E-02	0.40226E-02	110.3
	9	0.52859E-03	0.93772E-03	0.10764E-02	29.4
	10	-0.34833E-03	0.51524E-03	0.62194E-03	325.9

MAX=-0.68683E-01   MIN=-0.11248E 00   PEAK TO PEAK/2= 0.21900E-01

AZIMUTH POSITION IN DEGREES

22

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***

ENTERED	44	RUN 7
OUT OF RANGE	0	TP 5
BANDEDGE	0	CHAN 58

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.12824E 00	1	-0.29418E-02	-0.59244E-03	0.30009E-02	258.6
	2	-0.45569E-02	0.11444E-02	0.46984E-02	284.0
	3	-0.20249E-02	-0.12181E-02	0.23631E-02	238.9
	4	-0.45679E-02	0.24912E-02	0.52031E-02	298.6
	5	-0.89034E-03	0.12951E-02	0.15716E-02	325.4
	6	-0.82091E-03	0.49600E-03	0.50275E-02	350.6
	7	-0.28604E-03	-0.13383E-02	0.13685E-02	192.0
	8	0.50589E-03	0.20222E-03	0.54481E-03	68.2
	9	0.17850E-02	0.26906E-03	0.18052E-02	81.4
	10	0.36580E-03	0.25394E-02	0.25656E-02	8.1

MAX=-0.10245E 00   MIN=-0.16695E 00   PEAK TO PEAK/2= 0.32248E-01

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

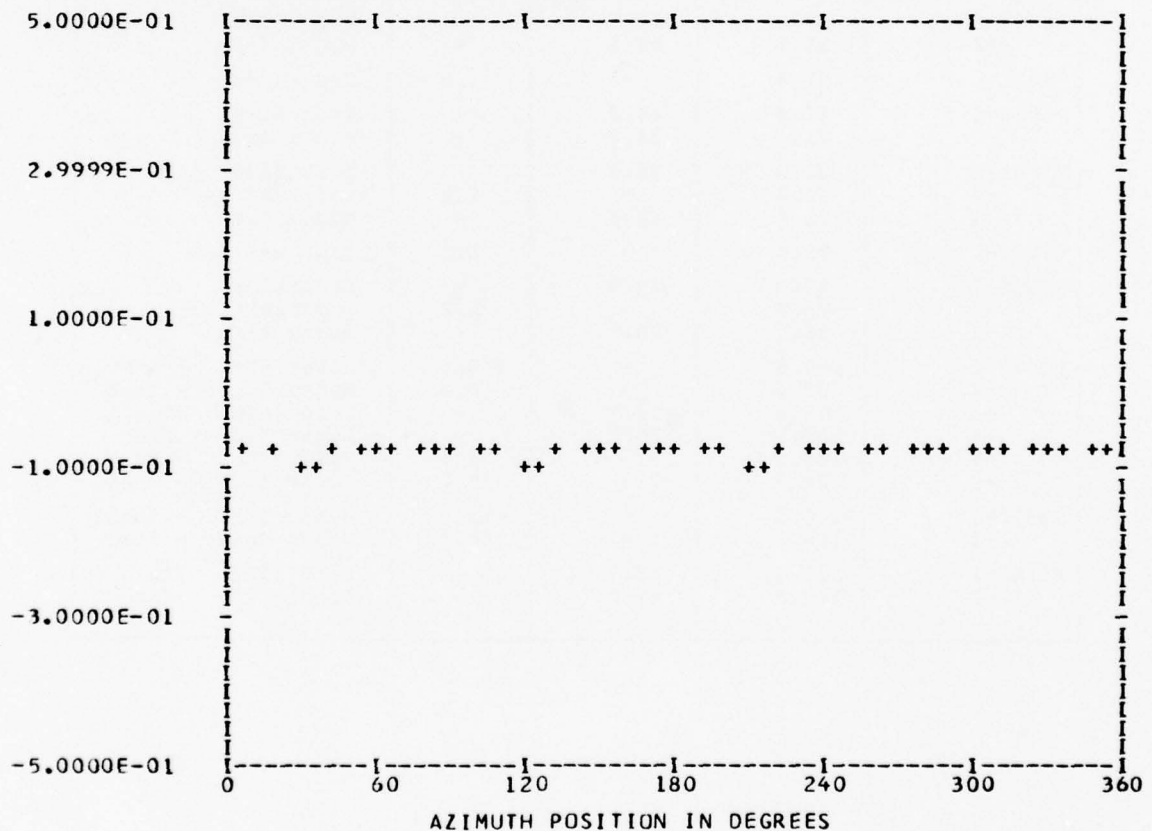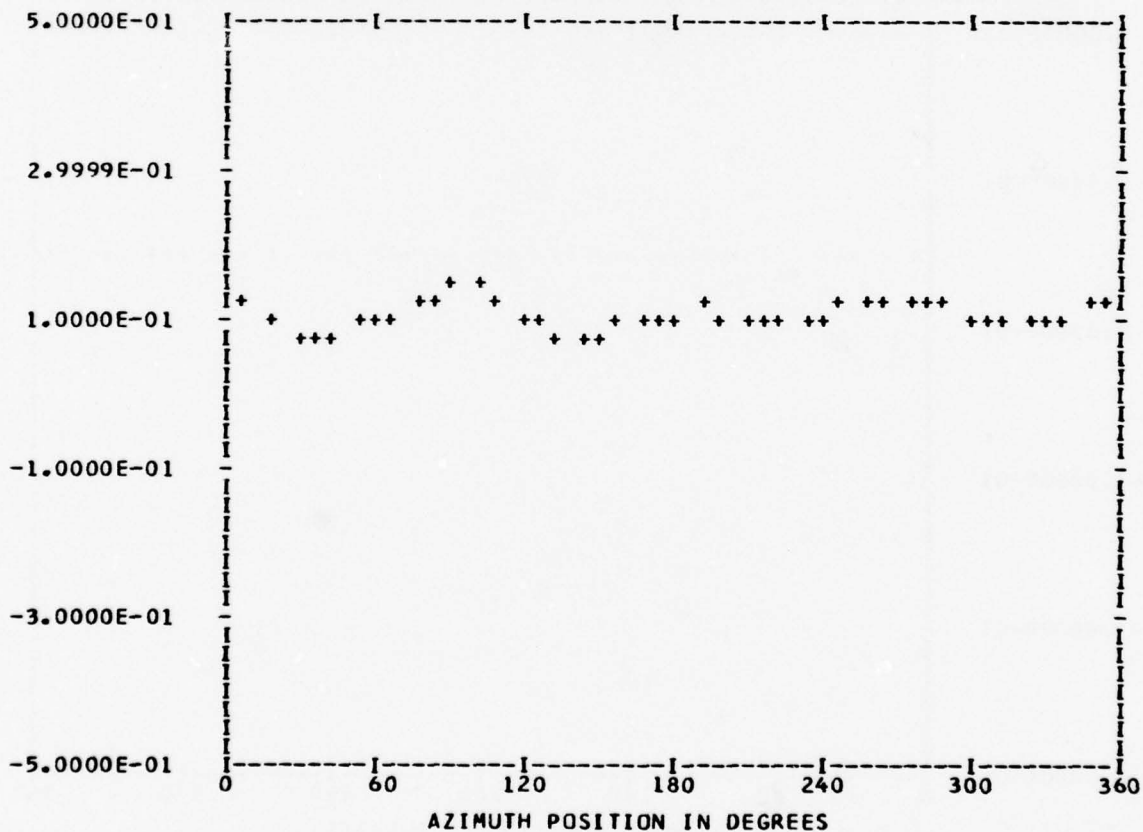*** PS107.4   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   5
CHAN   52

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.31228E-01	1	-0.38014E-02	-0.96950E-03	0.39230E-02	255.6
	2	-0.19512E-02	0.15038E-02	0.24634E-02	307.6
	3	-0.24077E-04	0.17681E-02	0.17683E-02	359.2
	4	-0.25483E-02	0.51549E-02	0.57504E-02	333.6
	5	-0.44074E-03	0.92403E-03	0.10237E-02	334.4
	6	-0.19862E-04	0.78153E-03	0.78178E-03	358.5
	7	-0.34531E-03	0.24150E-04	0.34615E-03	274.0
	8	0.10203E-03	0.12060E-03	0.15798E-03	40.2
	9	0.32252E-03	0.50786E-03	0.60162E-03	32.4
	10	0.28367E-03	-0.23224E-03	0.36661E-03	129.3

MAX=-0.22675E-01   MIN=-0.48458E-01   PEAK TO PEAK/2= 0.12891E-01

AZIMUTH POSITION IN DEGREES

24

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.5   WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                              RUN      7
ENTERED                 44                                         TP       5
OUT OF RANGE             0                                         CHAN    47
BANDEDGE                 0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.47193E-01	1	0.14579E-02	0.13676E-02	0.19990E-02	46.8
	2	-0.27172E-02	0.23014E-02	0.35609E-02	310.2
	3	-0.12126E-02	0.52344E-03	0.13208E-02	293.3
	4	0.52856E-02	-0.50735E-03	0.53099E-02	95.4
	5	-0.10137E-03	-0.34239E-03	0.35709E-03	196.4
	6	-0.87577E-03	0.46674E-03	0.99239E-03	298.0
	7	0.78761E-04	0.52270E-04	0.94528E-04	56.4
	8	0.41858E-04	0.89098E-03	0.89196E-03	2.6
	9	-0.19966E-04	-0.15351E-03	0.15481E-03	352.5
	10	0.15039E-03	-0.12062E-03	0.19278E-03	128.7

MAX= 0.59790E-01   MIN= 0.39414E-01   PEAK TO PEAK/2= 0.10188E-01

AZIMUTH POSITION IN DEGREES

25

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED 44
OUT OF RANGE 0
BANDEDGE 30

HARMONIC ANALYSIS SKIPPED

RUN 7
TP 5
CHAN 50

MAX= 0.36963E 00   MIN=-0.15683E 00   PEAK TO PEAK/2= 0.26323E 00

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD       GGGG    EEEEE
B   B     B      NN  N   D   D   E       D    D    G        E
BBBB      A   A  N N N   D   D   EEEE    D    D    G GGG    EEEE
B   B   AAAAA    N  NN   D   D   E       D    D    G   G    E
BBBB      A   A  N   N   DDDD    EEEEE   DDDD       GGGG    EEEEE
```

26

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   7
ENTERED   44   TP   5
OUT OF RANGE   0   CHAN 61
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.10375E 00	1	-0.17799E-02	-0.22129E-02	0.28400E-02	218.8
	2	-0.47232E-03	0.31760E-02	0.32109E-02	351.5
	3	-0.10677E-02	0.45549E-02	0.46784E-02	346.8
	4	-0.32995E-02	-0.52054E-03	0.33403E-02	261.0
	5	-0.17649E-02	0.94437E-03	0.20017E-02	298.1
	6	0.55191E-03	0.48130E-03	0.73229E-03	48.9
	7	0.77459E-03	0.24614E-02	0.25804E-02	17.4
	8	0.18733E-02	-0.60375E-03	0.19682E-02	107.8
	9	0.89810E-04	0.41241E-03	0.42208E-03	12.2
	10	-0.38503E-03	0.17455E-02	0.17875E-02	347.5

MAX=-0.90741E-01   MIN=-0.12089E 00   PEAK TO PEAK/2= 0.15076E-01

AZIMUTH POSITION IN DEGREES

27

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE   0   ***

```
*** DATA ANALYSIS ***                                          RUN    7
ENTERED                44                                      TP     5
OUT OF RANGE            5                                      CHAN  48
BANDEDGE              11
                              HARMONIC ANALYSIS SKIPPED
```

MAX= 0.42390E 00   MIN=-0.64027E 00   PEAK TO PEAK/2= 0.53208E 00

```
 5.0000E-01  I--------I--------I--------I--------I--------I--------I
             I                                                    I
             I +            ++    +    + +          +            ++ I
             I        +                                            I
 2.9999E-01  -                        +                            -
             I                                                    I
             I                                                  + I
 1.0000E-01  -                                                    -
             I                               +                  + I
             I                                                 + I
-1.0000E-01  - +  +++      + +   ++    +  ++    +        +  + -
             I                                                    I
             I                          + +       +              I
-3.0000E-01  -                      +                            -
             I            +            +                          I
             I                                  +                I
             I                                 +                  I
-5.0000E-01  I--------I--------I--------I--------I--------I--------I
             0       60       120      180      240      300     360
                        AZIMUTH POSITION IN DEGREES
```

```
BBBB      A    N   N  DDDD   EEEEE  DDDD   GGGG   EEEEE
B   B    A A   NN  N  D   D  E      D   D  G      E
BBBB    A   A  N N N  D   D  EEEE   D   D  G GGG  EEEE
B   B  AAAAA   N  NN  D   D  E      D   D  G   G  E
BBBB  A     A  N   N  DDDD   EEEEE  DDDD   GGGG   EEEEE
```

28

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS117.1   WAVEFORM ***
                        ***      CYCLE   0     ***
  *** DATA ANALYSIS ***                                         RUN     7
  ENTERED            44                                         TP      5
  OUT OF RANGE        0                                         CHAN   57
  BANDEDGE            0

     STEADY      HARM    COS COEFF        SIN COEFF          RES        PHASE
  -0.23163E-01    1    0.21907E-02    -0.87918E-04      0.21924E-02     92.2
                  2    0.28498E-02    -0.11042E-02      0.30563E-02    111.1
                  3    0.61710E-03     0.47633E-04      0.61894E-03     85.5
                  4    0.31107E-02    -0.47610E-04      0.31111E-02     90.8
                  5    0.51764E-03    -0.22355E-04      0.51812E-03     92.4
                  6    0.61163E-03     0.89702E-04      0.61817E-03     81.6
                  7   -0.62414E-03     0.19100E-03      0.65271E-03    287.0
                  8   -0.32219E-03    -0.37603E-03      0.49518E-03    220.5
                  9    0.82856E-03    -0.87429E-03      0.12045E-02    136.5
                 10   -0.28146E-03    -0.77490E-04      0.29193E-03    254.6

       MAX=-0.13425E-01   MIN=-0.33563E-01   PEAK TO PEAK/2= 0.10069E-01
```

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01 - I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01 - I                                                           -
              I                                                           I
              I                                                           I
              I + + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
              I                                                           I
-1.0000E-01 - I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01 - I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
                        AZIMUTH POSITION IN DEGREES
```

29

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   7
TP   5
CHAN   53

HARMONIC ANALYSIS SKIPPED

MAX= 0.45514E 00   MIN= 0.45514E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01   -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120      180      240      300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A     N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
B   B    A A    NN  N  D   D  E      D   D  G      E
BBBB    A   A   N N N  D   D  EEEE   D   D  G GGG  EEEE
B   B   AAAAA   N  NN  D   D  E      D   D  G   G  E
BBBB    A   A   N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
```

30

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

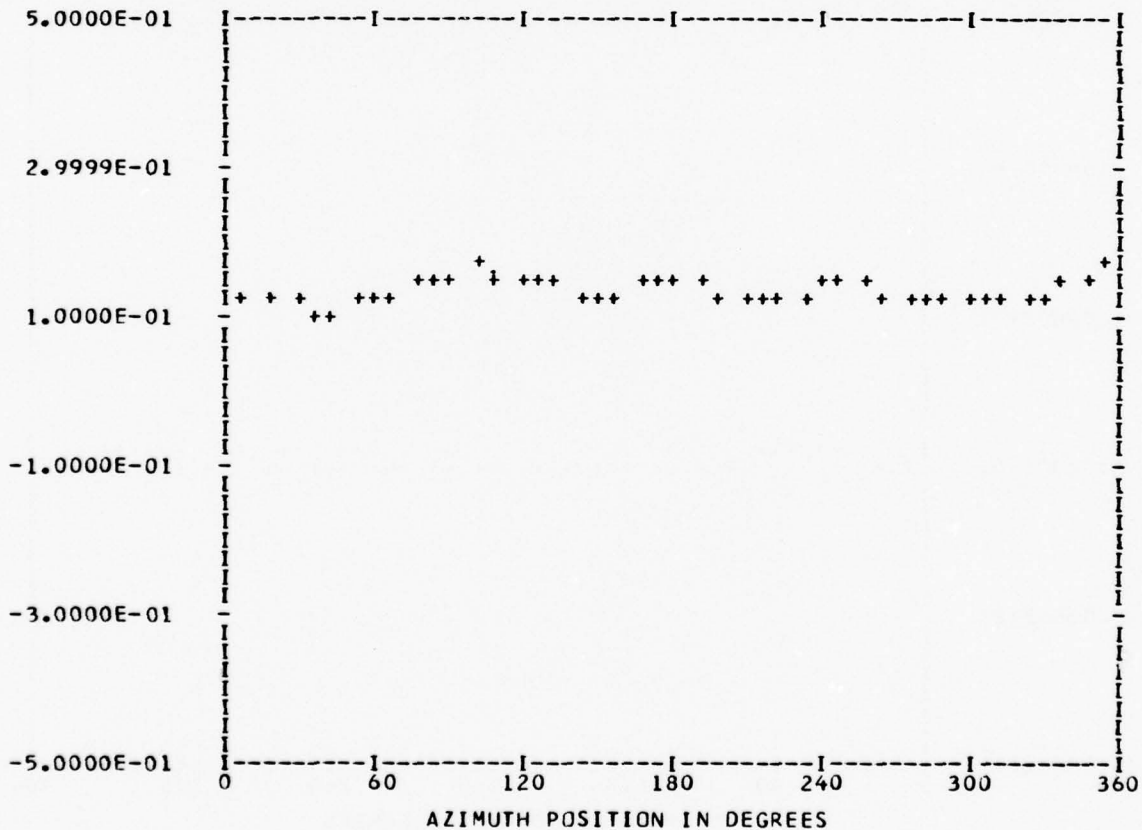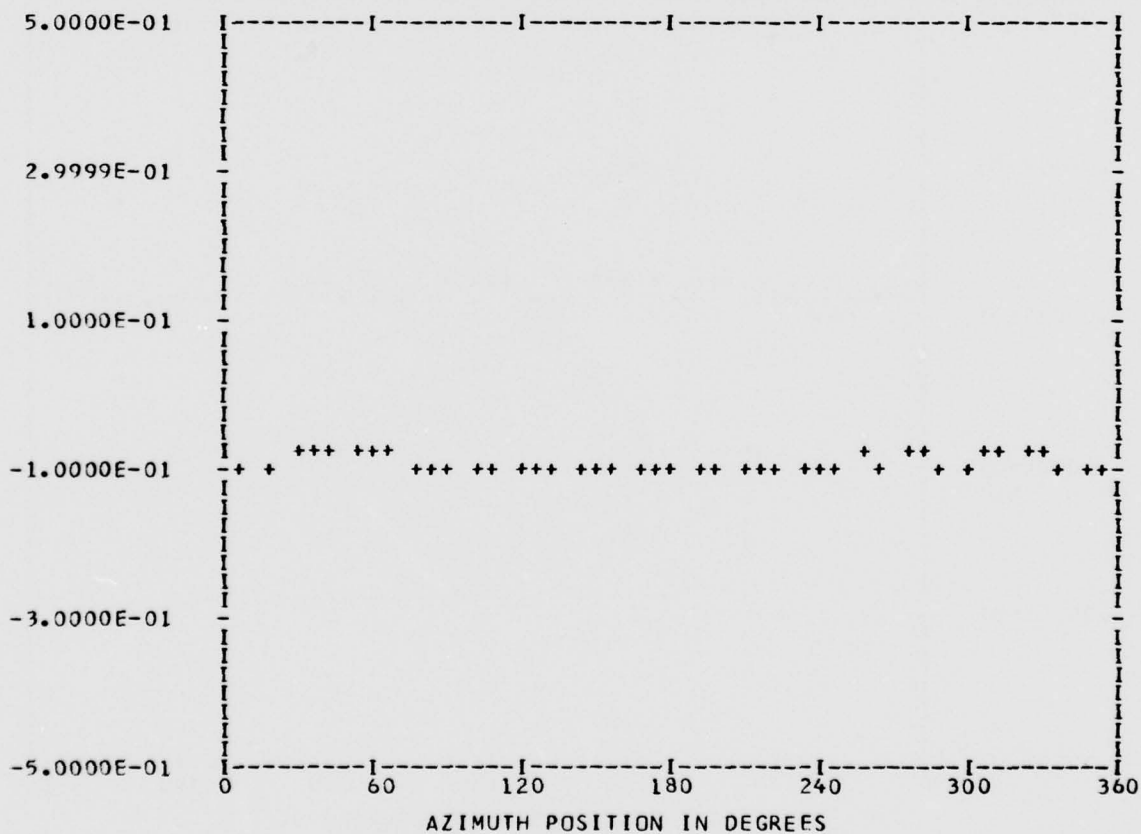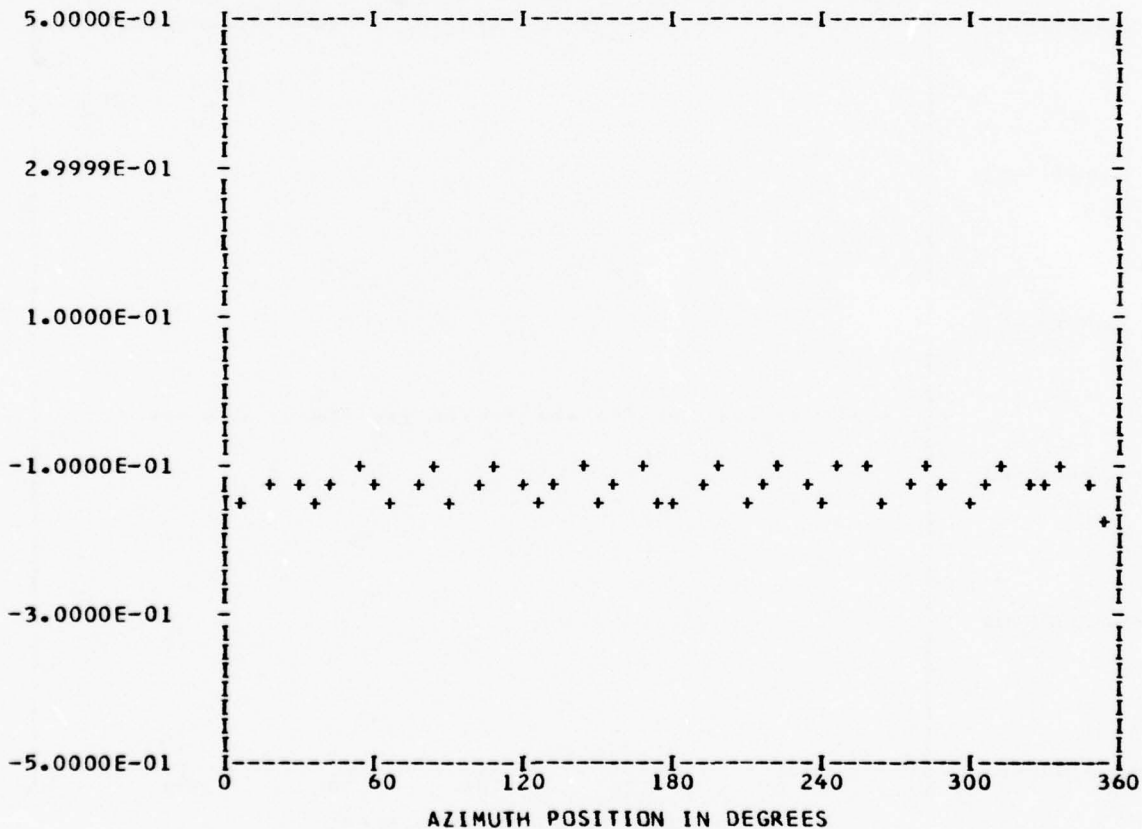*** PS081.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.83927E-01	1	-0.25227E-02	-0.28131E-02	0.37786E-02	221.8
	2	-0.94672E-03	-0.14901E-03	0.95837E-03	261.0
	3	-0.76097E-03	-0.10928E-02	0.13316E-02	214.8
	4	0.12981E-01	-0.11476E-01	0.17326E-01	131.4
	5	-0.83440E-03	-0.14458E-02	0.16693E-02	209.9
	6	0.87868E-03	-0.16205E-03	0.89349E-03	100.4
	7	0.19559E-03	0.59436E-03	0.62572E-03	18.2
	8	0.12142E-02	-0.40585E-02	0.42362E-02	163.3
	9	-0.39406E-03	-0.72333E-04	0.40064E-03	259.5
	10	-0.27910E-03	-0.25978E-03	0.38129E-03	227.0

MAX=-0.56750E-01   MIN=-0.10469E 00   PEAK TO PEAK/2= 0.23969E-01
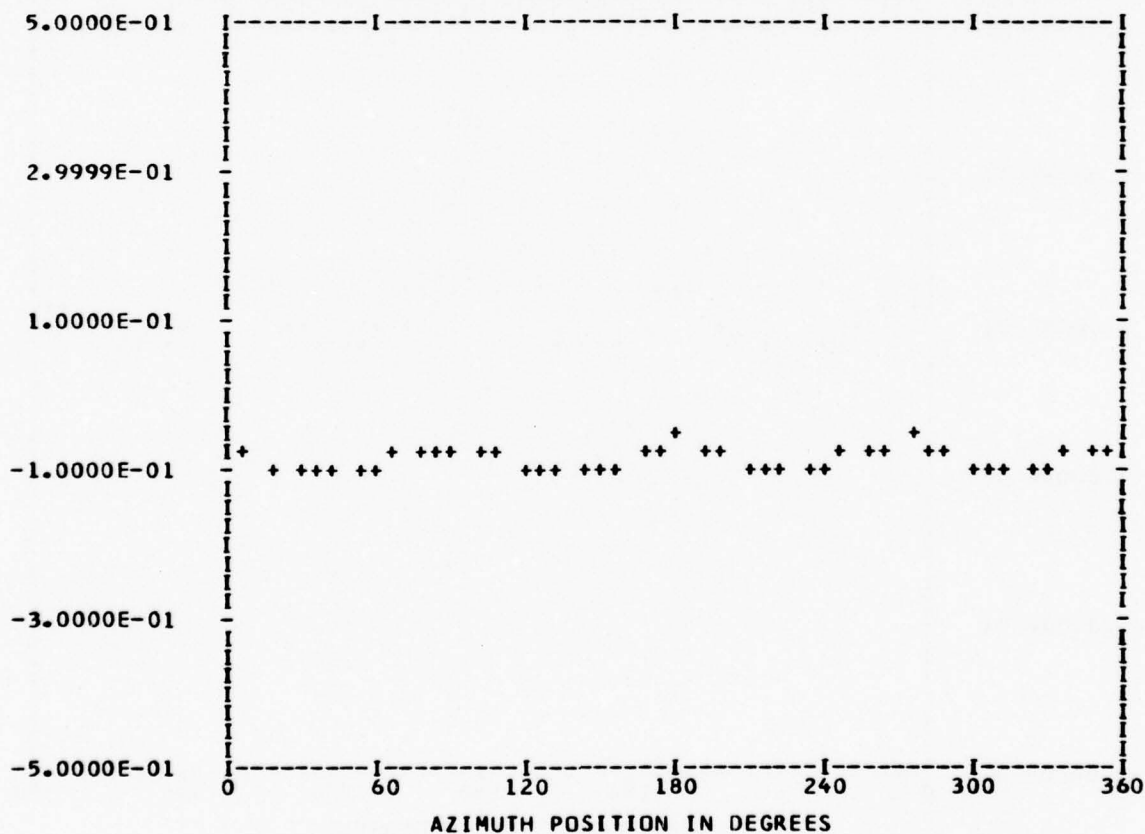
AZIMUTH POSITION IN DEGREES

31

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   7
ENTERED   45   TP   8
OUT OF RANGE   0   CHAN   59
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10744E 00	1	-0.10086E-01	-0.18323E-02	0.10251E-01	259.7
	2	0.60765E-02	-0.52334E-02	0.80195E-02	130.7
	3	-0.39159E-02	-0.32385E-02	0.50815E-02	230.4
	4	0.37493E-01	-0.17934E-01	0.41562E-01	115.5
	5	0.97670E-03	0.29509E-02	0.31083E-02	18.3
	6	-0.22365E-02	0.50916E-02	0.55611E-02	336.2
	7	-0.31443E-02	-0.22680E-02	0.38770E-02	234.1
	8	0.43619E-02	-0.73956E-02	0.85861E-02	149.4
	9	0.21505E-02	0.18183E-02	0.28162E-02	49.7
	10	-0.64668E-03	0.50770E-02	0.51180E-02	352.7

MAX= 0.19975E 00   MIN= 0.56905E-01   PEAK TO PEAK/2= 0.71425E-01

AZIMUTH POSITION IN DEGREES

32

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

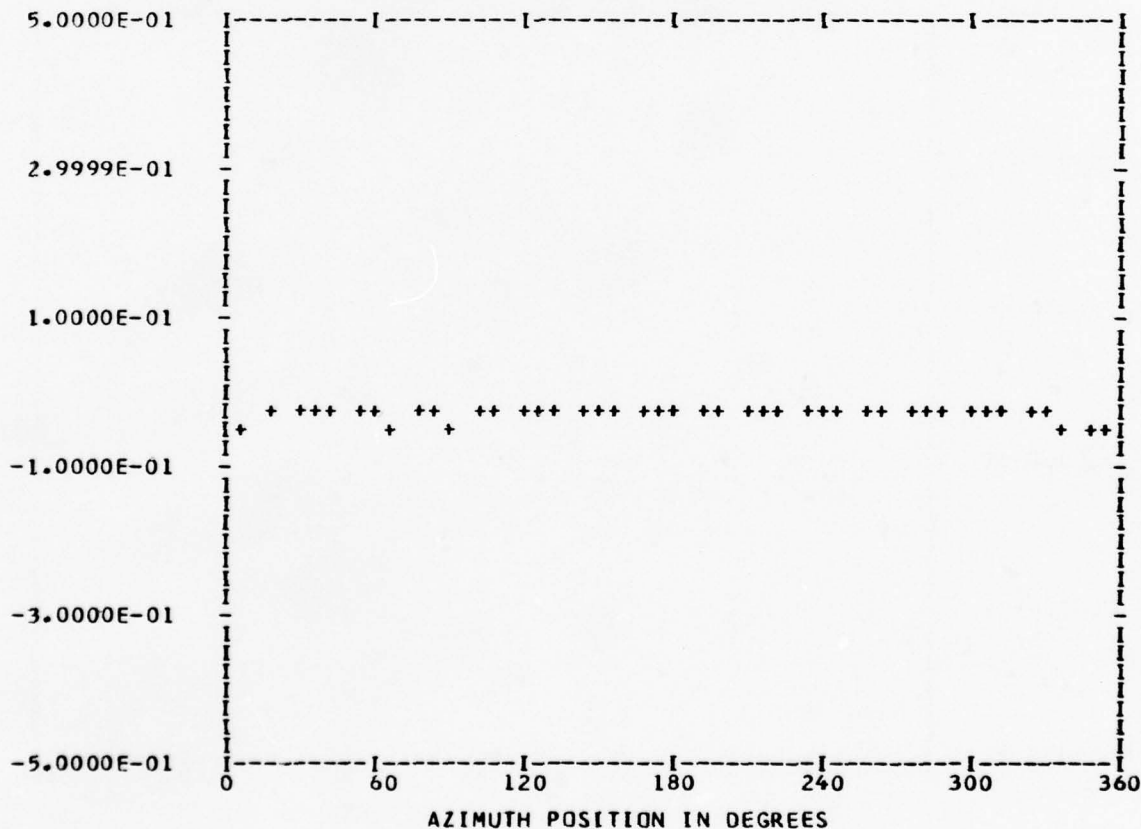*** PSO81.3 WAVEFORM ***
*** CYCLE 0 ***

```
*** DATA ANALYSIS ***                                              RUN      7
ENTERED            44                                              TP       8
OUT OF RANGE        0                                              CHAN    49
BANDEDGE            0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.20409E 00	1	0.27175E-03	0.11969E-02	0.12274E-02	12.7
	2	-0.16203E-02	-0.93681E-04	0.16231E-02	266.6
	3	-0.10077E-02	-0.65930E-03	0.12042E-02	236.8
	4	0.12527E-01	0.12169E-01	0.17464E-01	45.8
	5	0.19472E-03	-0.13508E-03	0.23699E-03	124.7
	6	-0.63665E-03	-0.45349E-04	0.63826E-03	265.9
	7	0.13397E-03	-0.29839E-03	0.32709E-03	155.8
	8	-0.62844E-05	0.32072E-02	0.32072E-02	359.8
	9	0.59524E-03	-0.39178E-04	0.59653E-03	93.7
	10	0.43861E-03	0.71345E-04	0.44438E-03	80.7

MAX= 0.22603E 00   MIN= 0.18712E 00   PEAK TC PEAK/2= 0.19459E-01

AZIMUTH POSITION IN DEGREES

33

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS089.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   7
ENTERED   44   TP   8
OUT OF RANGE   0   CHAN   45
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.28359E-01	1	-0.54833E-02	0.42891E-02	0.69615E-02	308.0
	2	0.11746E-02	0.56542E-02	0.57750E-02	11.7
	3	-0.45568E-02	0.13240E-02	0.47453E-02	286.2
	4	0.29712E-01	0.30069E-02	0.29864E-01	84.2
	5	-0.12143E-03	0.27401E-02	0.27428E-02	357.4
	6	-0.43222E-02	0.22151E-02	0.48568E-02	297.1
	7	-0.72889E-03	-0.49762E-02	0.50293E-02	188.3
	8	0.87571E-02	0.51773E-02	0.10173E-01	59.4
	9	0.39481E-03	-0.22926E-02	0.23264E-02	170.2
	10	0.16390E-02	0.44599E-02	0.47516E-02	20.1

MAX= 0.93724E-01   MIN=-0.96499E-02   PEAK TO PEAK/2= 0.51687E-01

AZIMUTH POSITION IN DEGREES

34

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
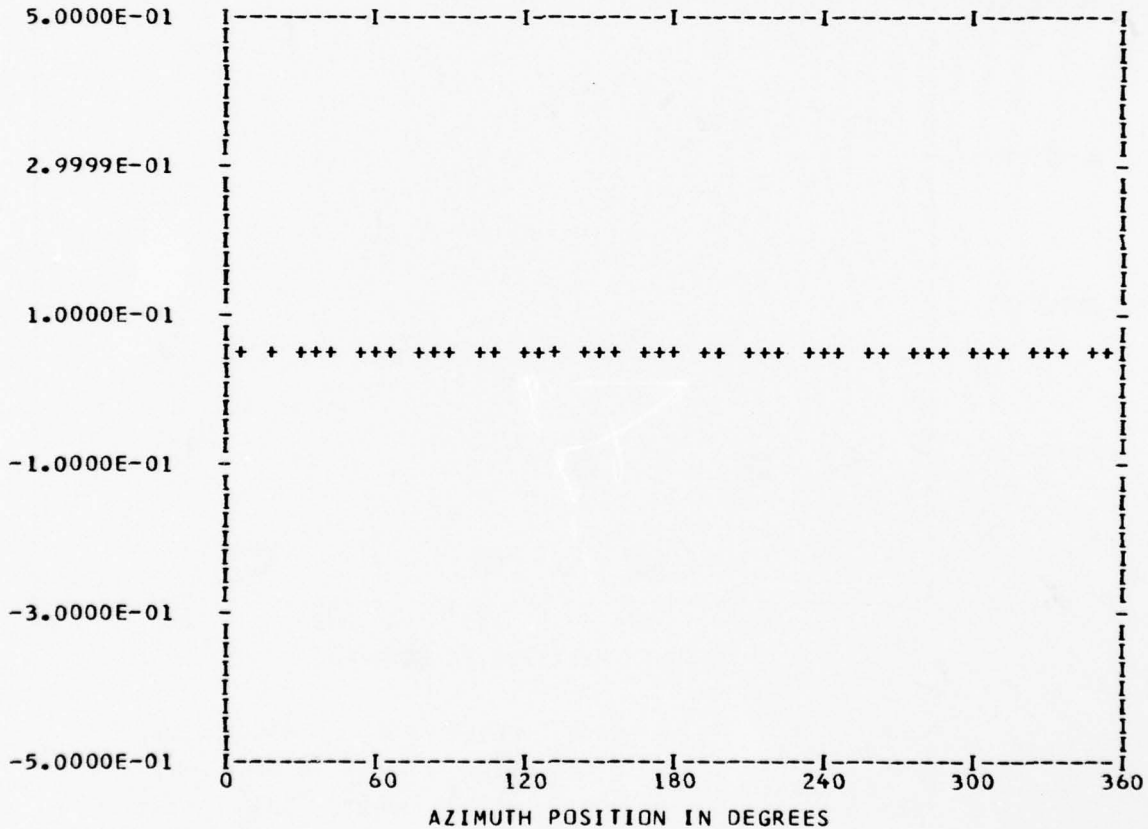
*** PSO99.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18006E 00	1	0.74753E-03	-0.69663E-02	0.70063E-02	173.8
	2	-0.63778E-02	0.22632E-02	0.67675E-02	289.5
	3	-0.46782E-02	0.99269E-03	0.47824E-02	281.9
	4	0.18648E-01	-0.67760E-02	0.19841E-01	109.9
	5	-0.95012E-04	-0.33364E-02	0.33378E-02	181.6
	6	-0.37709E-03	0.52438E-02	0.52573E-02	355.8
	7	0.38212E-03	-0.46533E-03	0.60212E-03	140.6
	8	0.33529E-02	-0.22037E-02	0.40123E-02	123.3
	9	0.73441E-03	-0.34918E-03	0.81319E-03	115.4
	10	0.13214E-02	0.54043E-03	0.14277E-02	67.7

MAX= 0.22520E 00   MIN= 0.15473E 00   PEAK TO PEAK/2= 0.35232E-01

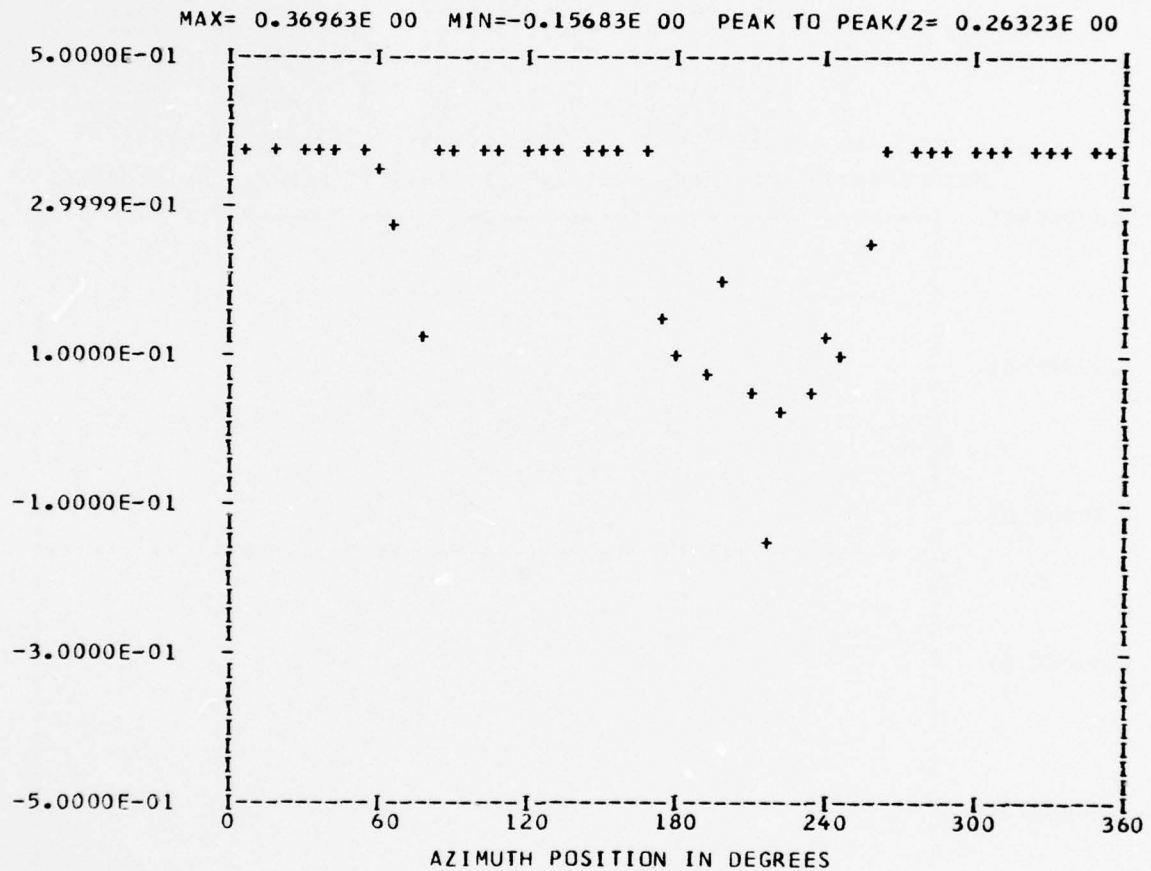AZIMUTH POSITION IN DEGREES

35

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
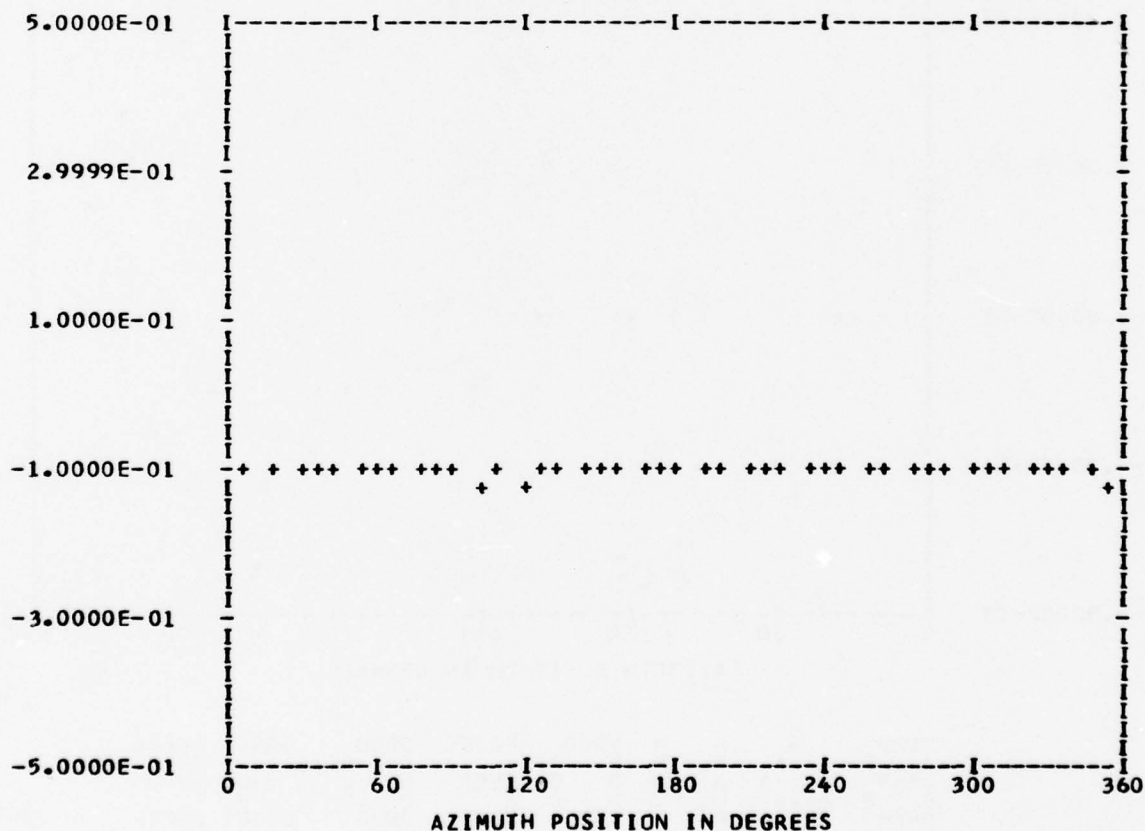
*** PS099.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN 46

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.43460E 00	1	-0.78721E-03	0.16554E-02	0.18330E-02	334.5
	2	-0.61163E-02	-0.20220E-02	0.64419E-02	251.7
	3	0.29179E-02	-0.46610E-03	0.29549E-02	99.0
	4	0.12114E-01	0.32466E-02	0.12541E-01	74.9
	5	0.15342E-02	0.35730E-02	0.38884E-02	23.2
	6	-0.60174E-03	0.22970E-02	0.23745E-02	345.3
	7	0.30131E-02	0.21922E-02	0.37262E-02	53.9
	8	0.25517E-02	0.42277E-03	0.25865E-02	80.5
	9	0.19345E-02	0.19517E-03	0.19443E-02	84.2
	10	-0.42551E-03	0.10024E-02	0.10890E-02	336.9

MAX= 0.46198E 00   MIN= 0.41764E 00   PEAK TO PEAK/2= 0.22170E-01

AZIMUTH POSITION IN DEGREES

36

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***			RUN	7
ENTERED	44		TP	8
OUT OF RANGE	0		CHAN	51
BANDEDGE	0			

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.76629E-01	1	0.66360E-02	-0.66225E-02	0.93752E-02	134.9
	2	-0.17290E-02	0.42311E-02	0.45707E-02	337.7
	3	0.29285E-02	-0.25140E-02	0.38595E-02	130.6
	4	0.10077E-01	0.23888E-02	0.10356E-01	76.6
	5	-0.14302E-02	0.27304E-02	0.30824E-02	332.3
	6	-0.10033E-02	-0.14557E-02	0.17680E-02	214.5
	7	-0.36257E-03	0.33023E-02	0.33222E-02	353.7
	8	0.48224E-02	0.14013E-02	0.50219E-02	73.7
	9	-0.12376E-02	0.17850E-02	0.21721E-02	325.2
	10	-0.32101E-03	0.97581E-03	0.10272E-02	341.7

MAX=-0.47734E-01 MIN=-0.11446E 00 PEAK TO PEAK/2= 0.33365E-01

AZIMUTH POSITION IN DEGREES

37

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.1   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN   55

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18792E 00	1	0.15784E-02	-0.11113E-01	0.11224E-01	171.9
	2	0.51653E-03	0.16211E-01	0.16219E-01	1.8
	3	-0.59840E-02	-0.51340E-02	0.78846E-02	229.3
	4	0.28537E-02	-0.66772E-02	0.72614E-02	156.8
	5	-0.12540E-02	-0.21319E-02	0.24734E-02	210.4
	6	-0.49495E-04	-0.43857E-03	0.44136E-03	186.4
	7	-0.16467E-02	-0.16437E-02	0.23267E-02	225.0
	8	0.12803E-02	-0.38874E-02	0.40928E-02	161.7
	9	-0.16441E-03	0.92282E-03	0.93736E-03	349.8
	10	0.11757E-02	-0.12076E-02	0.16854E-02	135.7

MAX= 0.20933E 00   MIN= 0.14957E 00   PEAK TO PEAK/2= 0.29877E-01

AZIMUTH POSITION IN DEGREES

38

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
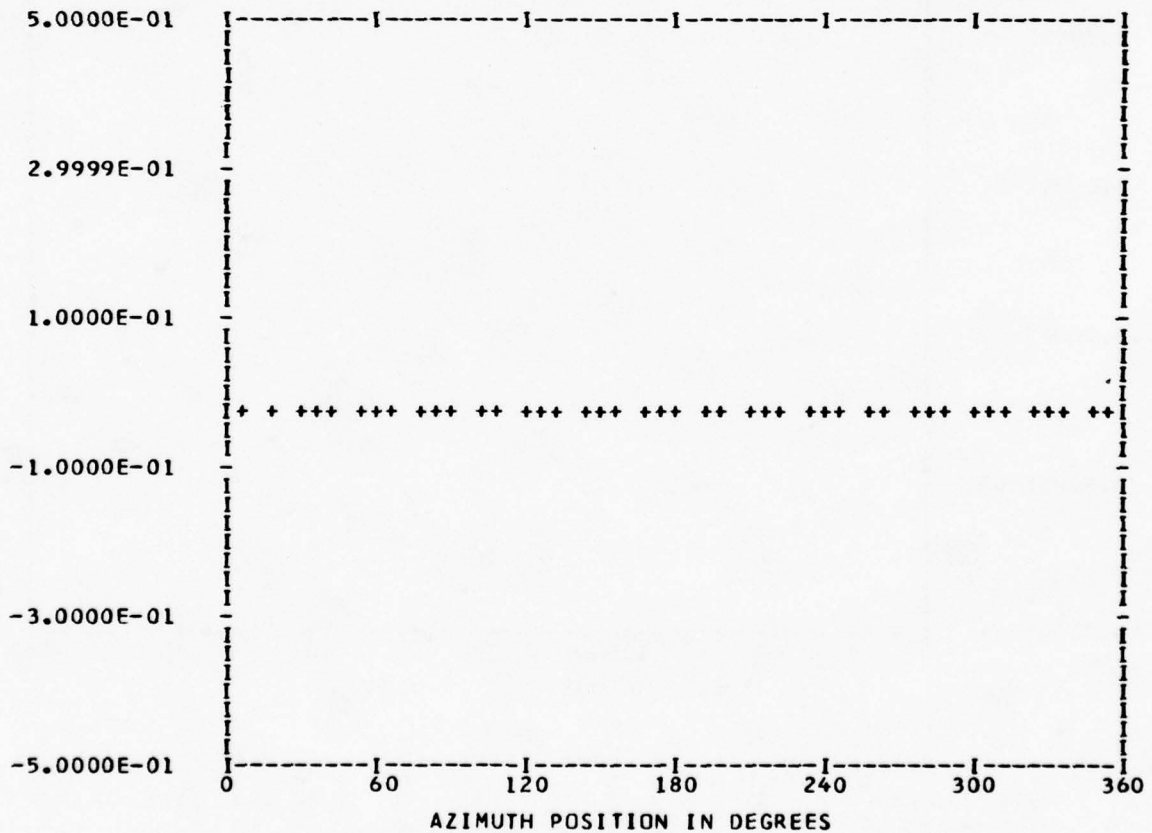
*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   45
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN 60

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.15608E 00	1	-0.15146E-02	0.46418E-03	0.15841E-02	287.0
	2	0.81041E-03	-0.27642E-02	0.28805E-02	163.6
	3	0.71050E-02	0.32879E-02	0.78289E-02	65.1
	4	0.28345E-02	-0.12367E-01	0.12688E-01	167.0
	5	-0.20424E-02	0.27625E-04	0.20426E-02	270.7
	6	0.84167E-03	0.40579E-02	0.41443E-02	11.7
	7	0.15771E-02	-0.21724E-02	0.26846E-02	144.0
	8	-0.21364E-02	-0.33655E-03	0.21627E-02	261.0
	9	0.65446E-03	0.21414E-02	0.22391E-02	16.9
	10	-0.16962E-03	0.67844E-03	0.69932E-03	345.9

MAX=-0.13221E 00   MIN=-0.18062E 00   PEAK TO PEAK/2= 0.24205E-01

AZIMUTH POSITION IN DEGREES

39

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.3  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                    RUN    7
ENTERED            44                                    TP     8
OUT OF RANGE        0                                    CHAN  58
BANDEDGE            0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.15301E 00	1	-0.48051E-02	0.13037E-02	0.49788E-02	285.1
	2	-0.12369E-02	0.19704E-02	0.23265E-02	327.8
	3	-0.25520E-02	-0.22840E-02	0.34248E-02	228.1
	4	-0.90273E-02	0.11796E-02	0.91040E-02	277.4
	5	-0.19640E-02	0.19118E-02	0.27409E-02	314.2
	6	-0.15438E-02	0.74815E-02	0.76391E-02	348.3
	7	0.65871E-03	-0.18852E-03	0.68516E-03	105.9
	8	-0.40397E-03	0.30896E-03	0.31159E-02	352.5
	9	0.17794E-02	0.10210E-02	0.20515E-02	60.1
	10	0.12463E-02	0.41311E-02	0.43150E-02	16.7

MAX=-0.12016E 00   MIN=-0.20237E 00   PEAK TO PEAK/2= 0.41103E-01

AZIMUTH POSITION IN DEGREES

40

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.4  WAVEFORM ***
                    ***        CYCLE  0      ***
*** DATA ANALYSIS ***                                          RUN    7
ENTERED           44                                           TP     8
OUT OF RANGE       0                                           CHAN  52
BANDEDGE           0

    STEADY      HARM   COS COEFF        SIN COEFF          RES        PHASE
 -0.56552E-01     1  -0.23306E-02     0.43604E-02      0.49442E-02    331.8
                  2  -0.44064E-03    -0.35668E-04      0.44208E-03    265.3
                  3  -0.12938E-03    -0.10715E-03      0.16800E-03    230.3
                  4  -0.11105E-01     0.79432E-02      0.13654E-01    305.5
                  5  -0.12112E-02     0.85485E-03      0.14825E-02    305.2
                  6  -0.19795E-03     0.16962E-02      0.17077E-02    353.3
                  7  -0.35163E-03     0.20504E-03      0.40705E-03    300.2
                  8  -0.15251E-02     0.17588E-02      0.23280E-02    319.0
                  9  -0.24757E-03     0.85610E-03      0.89117E-03    343.8
                 10  -0.52770E-03     0.68116E-03      0.86165E-03    322.2
```

MAX=-0.37554E-01   MIN=-0.82139E-01   PEAK TO PEAK/2= 0.22292E-01
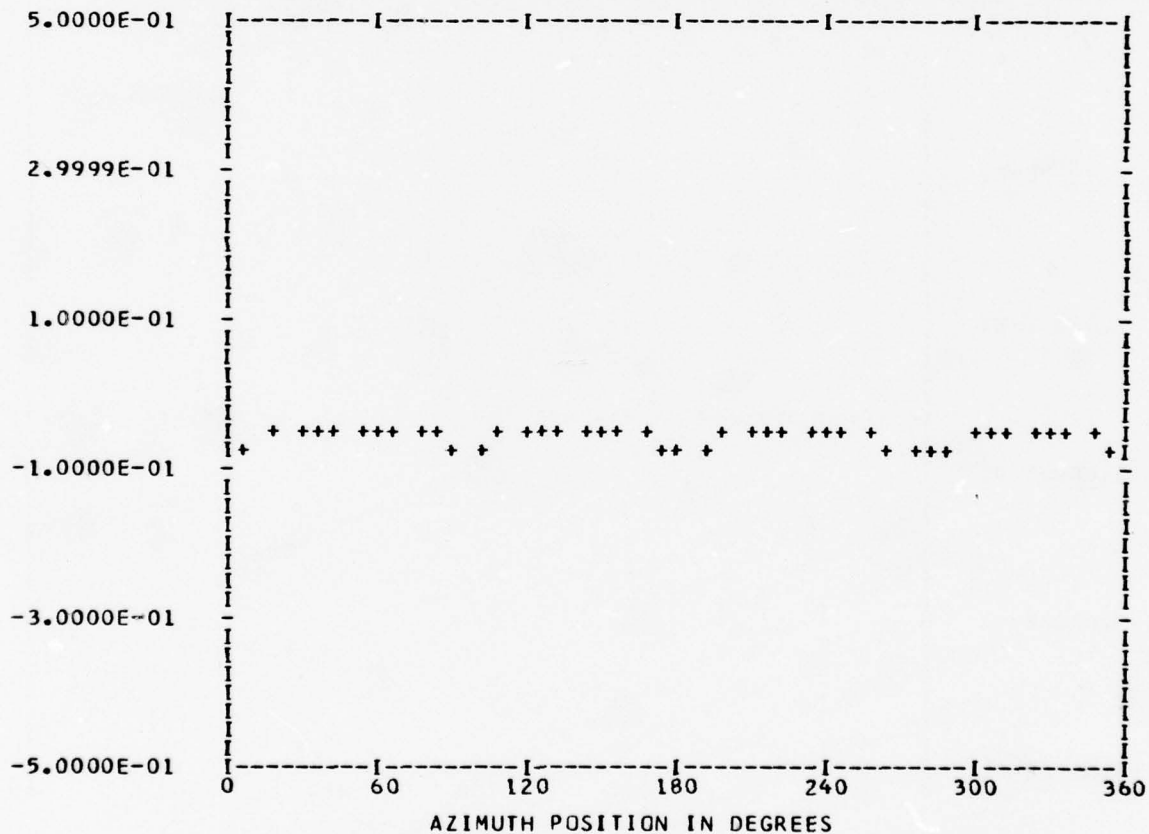
AZIMUTH POSITION IN DEGREES

41

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.5   WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN    7
ENTERED              44                                      TP     8
OUT OF RANGE          0                                      CHAN  47
BANDEDGE              0
```
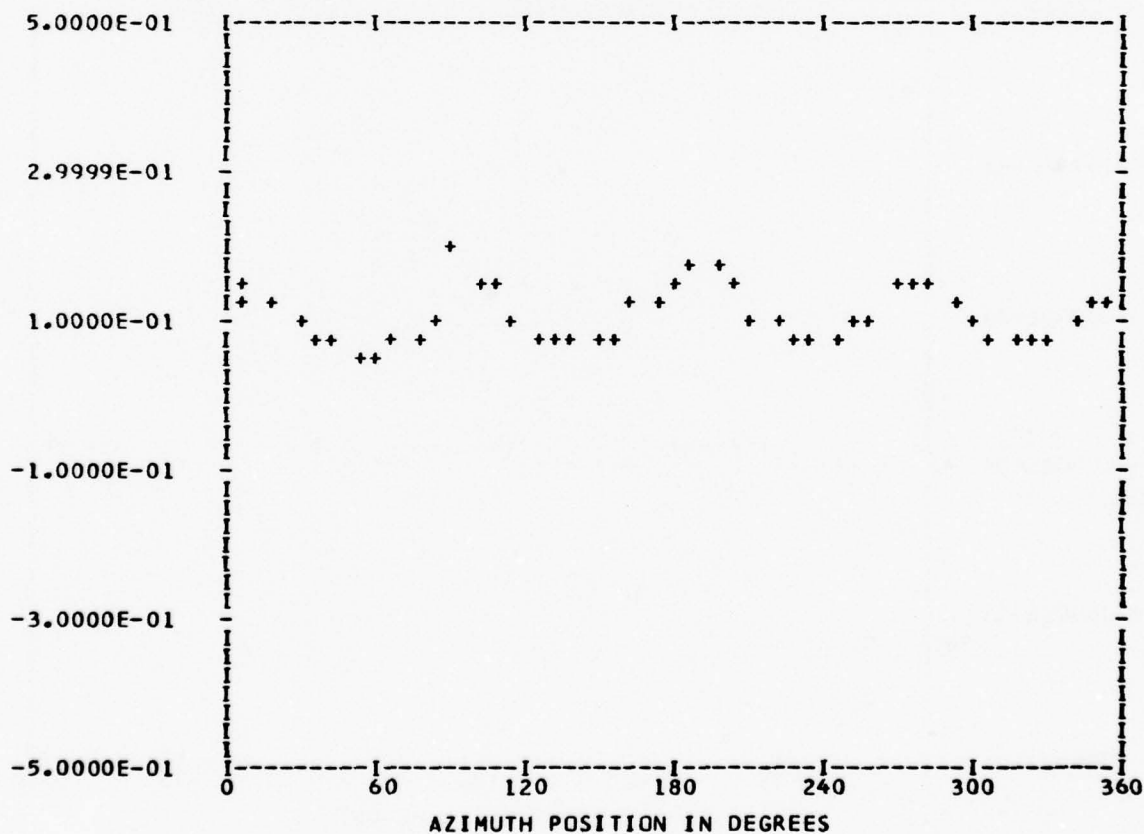
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.28066E-01	1	-0.54000E-03	0.20811E-02	0.21500E-02	345.4
	2	0.14662E-02	0.42378E-03	0.15262E-02	73.8
	3	-0.18745E-02	-0.78312E-03	0.20315E-02	247.3
	4	0.82582E-02	0.30431E-02	0.88010E-02	69.7
	5	0.21179E-03	-0.50964E-03	0.55190E-03	157.4
	6	-0.34727E-04	0.73110E-03	0.73192E-03	357.2
	7	-0.12933E-03	0.41054E-03	0.43043E-03	342.5
	8	0.27078E-02	-0.37690E-03	0.27339E-02	97.9
	9	0.13115E-03	-0.69981E-03	0.71199E-03	169.3
	10	-0.31908E-03	0.54621E-03	0.63258E-03	329.7

MAX=-0.10130E-01   MIN=-0.42965E-01   PEAK TO PEAK/2= 0.16417E-01

AZIMUTH POSITION IN DEGREES

42

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   33

RUN   7
TP   8
CHAN   50

HARMONIC ANALYSIS SKIPPED
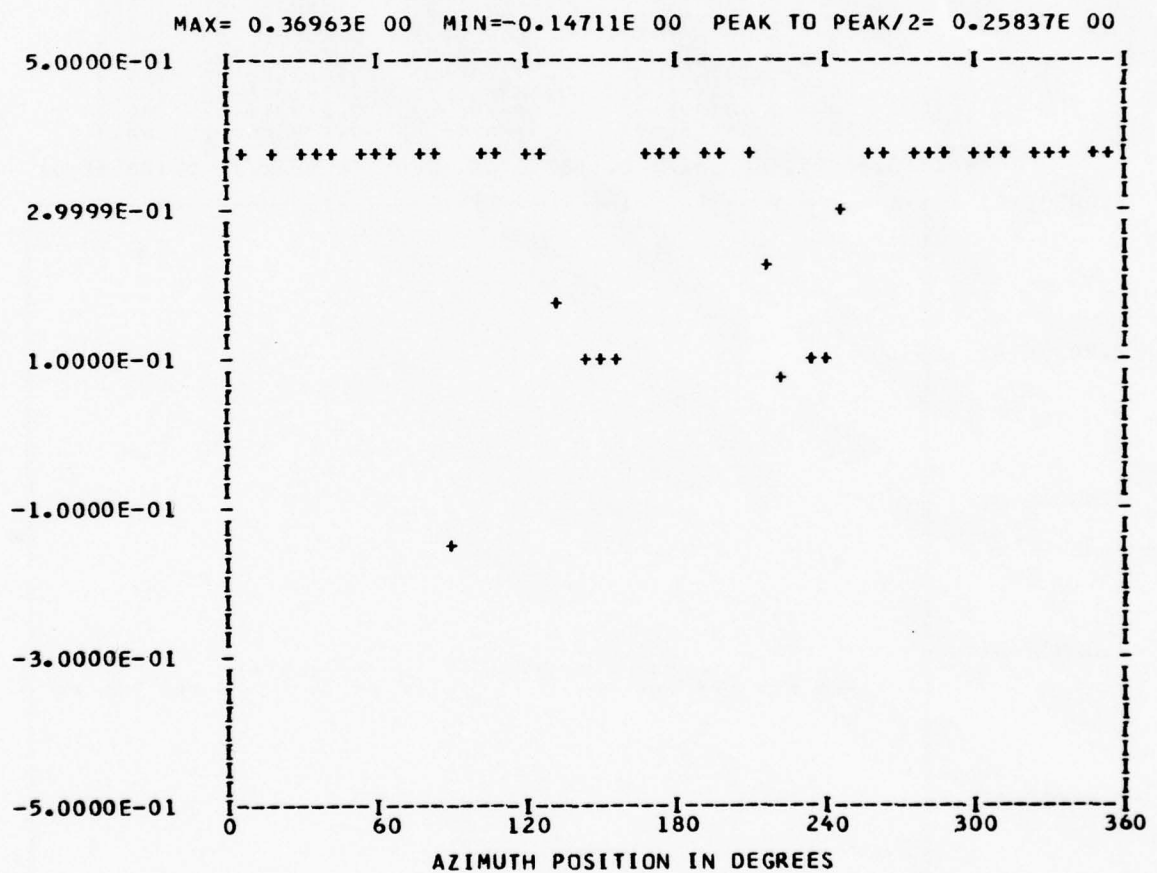
MAX= 0.36963E 00   MIN=-0.14711E 00   PEAK TO PEAK/2= 0.25837E 00

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
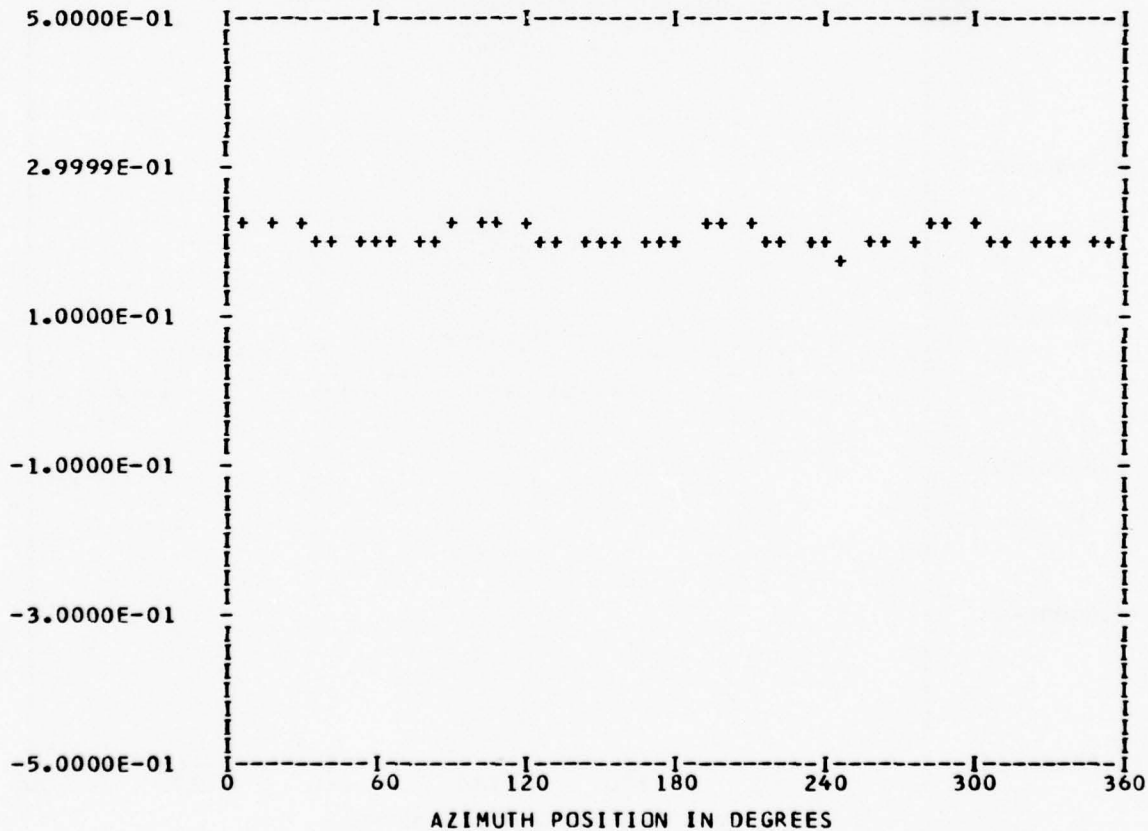
*** PS112.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   45
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN 61

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.14136E 00	1	-0.86930E-02	-0.37808E-02	0.94796E-02	246.4
	2	-0.11086E-03	-0.94618E-03	0.95265E-03	186.6
	3	0.53059E-02	-0.71922E-03	0.53544E-02	97.7
	4	-0.96056E-03	-0.67905E-02	0.68581E-02	188.0
	5	0.46210E-03	0.46492E-03	0.65551E-03	44.8
	6	-0.19902E-02	0.96538E-03	0.22119E-02	295.8
	7	-0.39795E-03	0.27280E-03	0.48248E-03	304.4
	8	-0.11145E-02	-0.68868E-03	0.13101E-02	238.2
	9	0.13335E-02	0.12975E-03	0.13398E-02	84.4
	10	0.59493E-03	0.37067E-03	0.70096E-03	58.0

MAX=-0.12095E 00   MIN=-0.15825E 00   PEAK TO PEAK/2= 0.18653E-01

AZIMUTH POSITION IN DEGREES

44

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   7
ENTERED   44   TP   8
OUT OF RANGE   0   CHAN   48
BANDEDGE   22

                              HARMONIC ANALYSIS SKIPPED

        MAX= 0.42390E 00   MIN=-0.10818E 00   PEAK TO PEAK/2= 0.26604E 00

5.0000E-01 I---------I---------I---------I---------I---------I---------I
            I   I
            I+ +   + +++ ++ +++ +++   +++ +   + ++I
            I   +   I
            I   I
2.9999E-01 -   +   -
            I   +   I
            I   I
            I   I
1.0000E-01 -   +   -
            I   +   I
            I   +   +   I
            I   I
            I   +   I
-1.0000E-01 -   + +   +   +   +   +++ +++ ++   -
            I   I
            I   I
            I   I
-3.0000E-01 -   -
            I   I
            I   I
            I   I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
            0   60   120   180   240   300   360
                         AZIMUTH POSITION IN DEGREES

        BBBB   A   N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE
        B   B   A A   NN N   D   D   E   D   D   G   E
        BBBB   A   A   N N N   EEEE   EEEE   D   D   G GGG   EEEE
        B   B   AAAAA   N NN   D   D   E   D   D   G   G   E
        BBBB   A   A   N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE

45
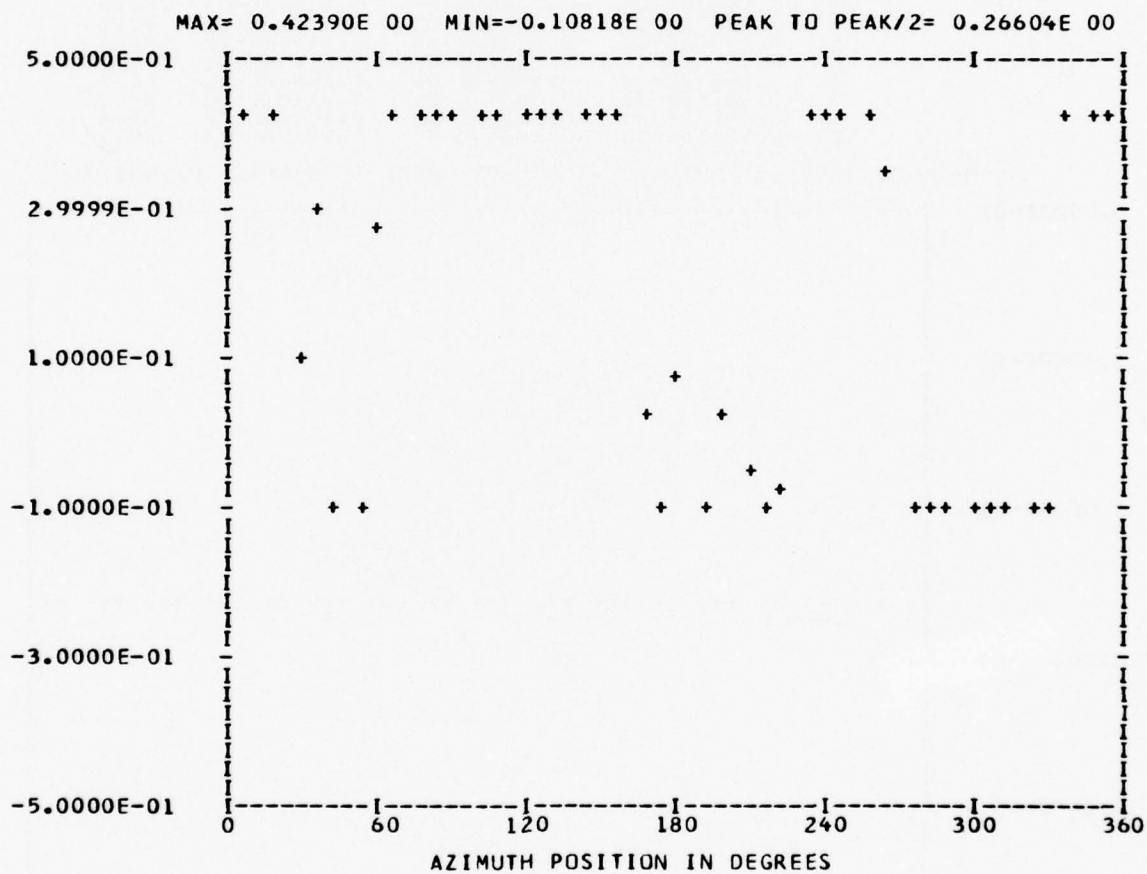
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
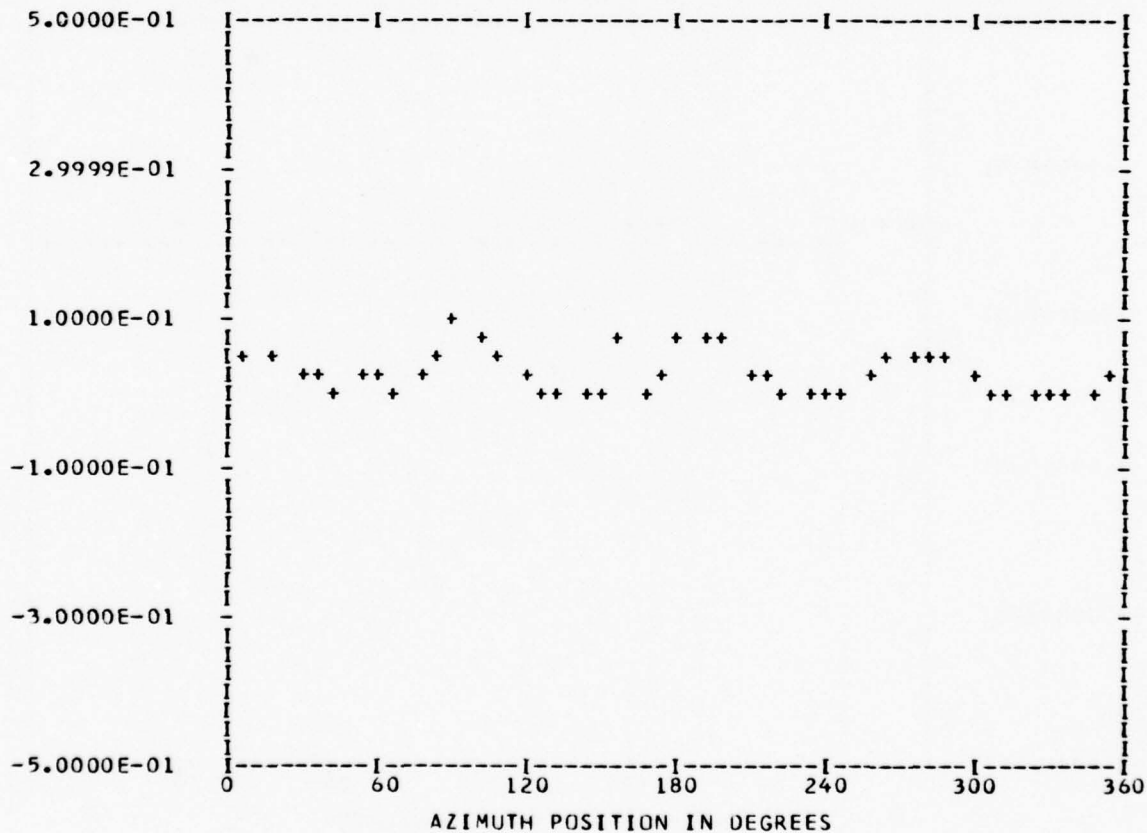
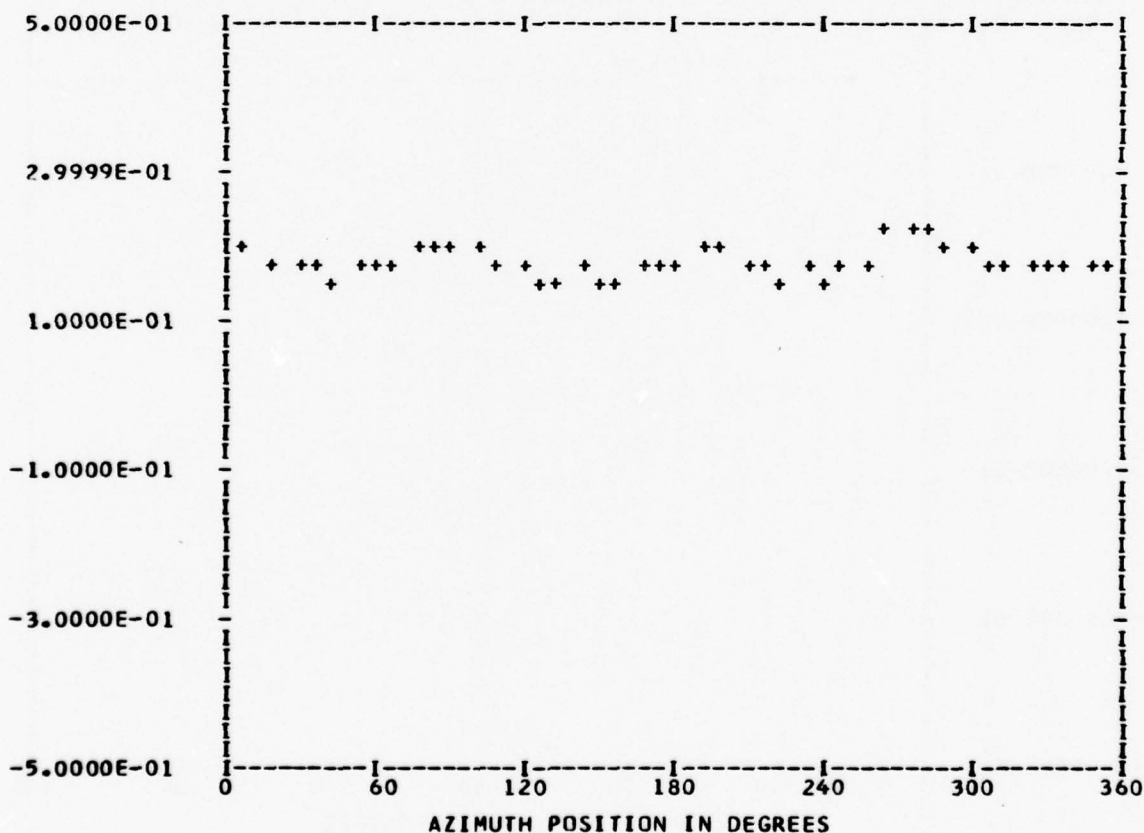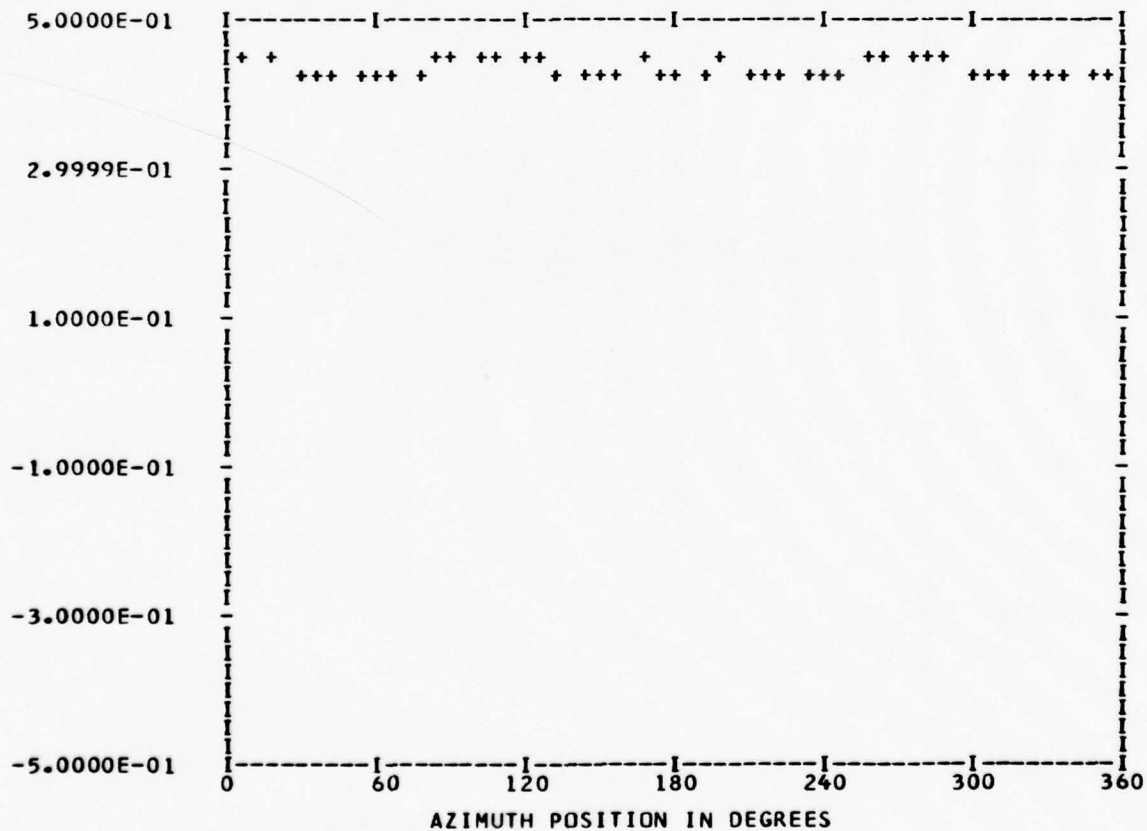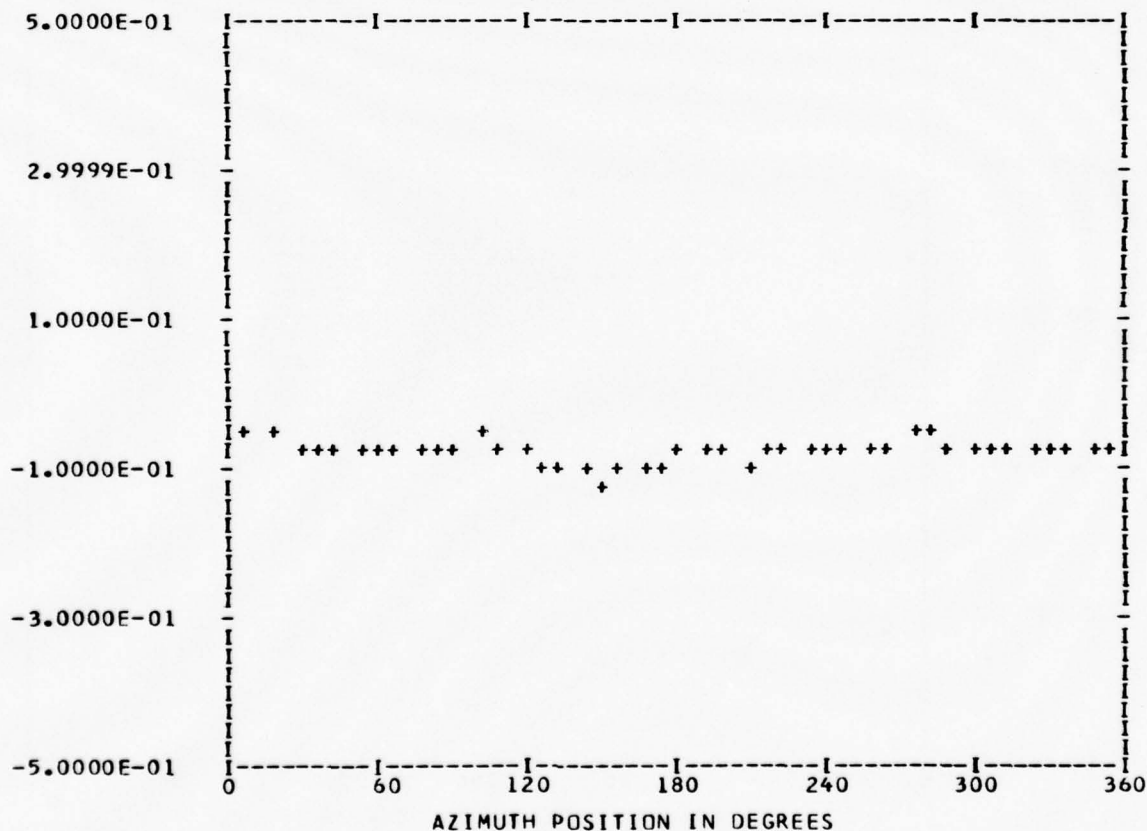*** PS117.1   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   7
TP   8
CHAN 57

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.28152E-01	1	-0.38637E-03	-0.14111E-02	0.14630E-02	195.3
	2	0.51841E-04	-0.11229E-02	0.11241E-02	177.3
	3	-0.14628E-03	-0.72866E-04	0.16343E-03	243.5
	4	0.77022E-02	0.93007E-03	0.77582E-02	83.1
	5	0.13023E-02	-0.43312E-03	0.13724E-02	108.3
	6	0.20537E-02	-0.68191E-03	0.21639E-02	108.3
	7	0.16659E-02	0.53048E-04	0.16667E-02	88.1
	8	-0.30191E-02	-0.86541E-03	0.31407E-02	254.0
	9	0.84972E-03	0.75190E-03	0.11346E-02	48.4
	10	0.11014E-03	0.29754E-03	0.31728E-03	20.3

MAX=-0.13579E-01   MIN=-0.43402E-01   PEAK TO PEAK/2= 0.14911E-01

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 2.9999E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I+ + ++   ++ +++ ++ +++ + + +++ ++ +++ + + ++ +++ +++ ++  ++I
              I      + +      +            +           +               + I
-1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-3.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300      360
                        AZIMUTH POSITION IN DEGREES
```

46

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   7
TP   8
CHAN   53

HARMONIC ANALYSIS SKIPPED

MAX= 0.45514E 00   MIN= 0.45514E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60        120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB       A      N   N   DDDD    EEEEE   DDDD     GGGG    EEEEE
B    B    A A     NN  N   D    D  E       D    D  G        E
BBBB     A   A    N N N   D    D  EEEE    D    D  G  GGG   EEEE
B    B   AAAAA    N  NN   D    D  E       D    D  G    G   E
BBBB     A    A   N   N   DDDD    EEEEE   DDDD     GGGG    EEEEE
```

47

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
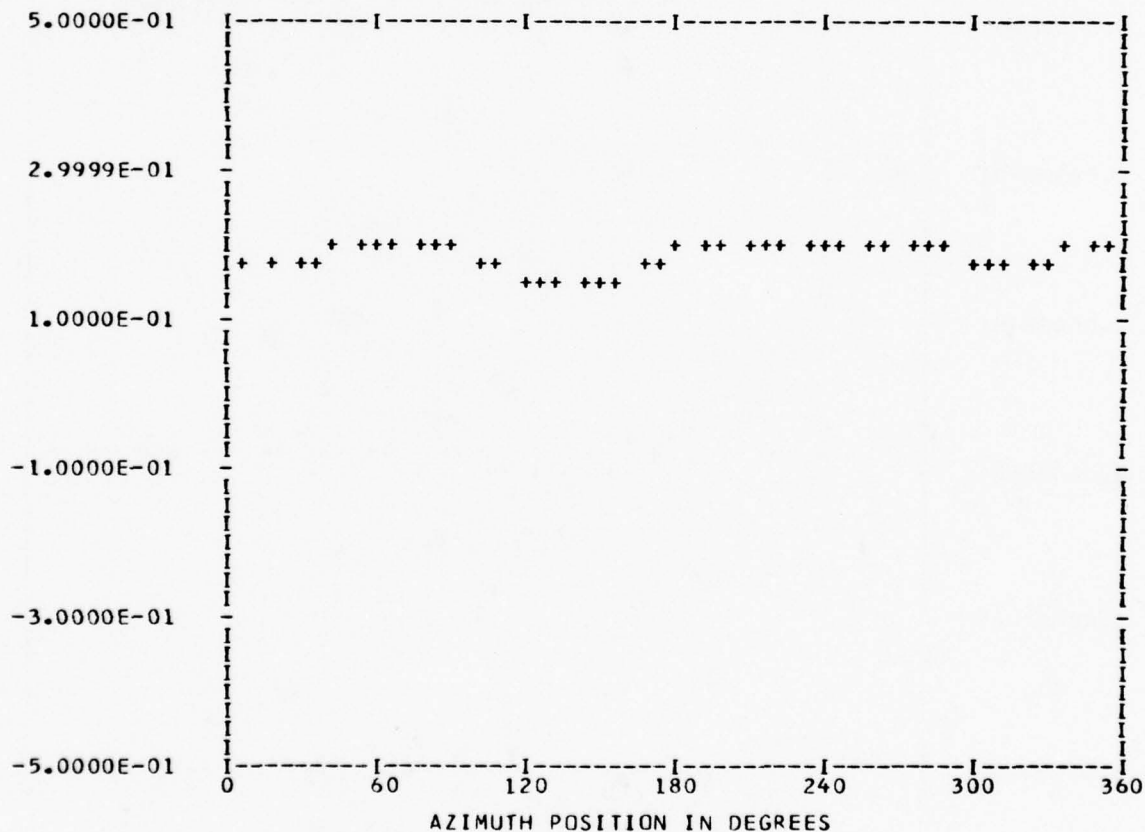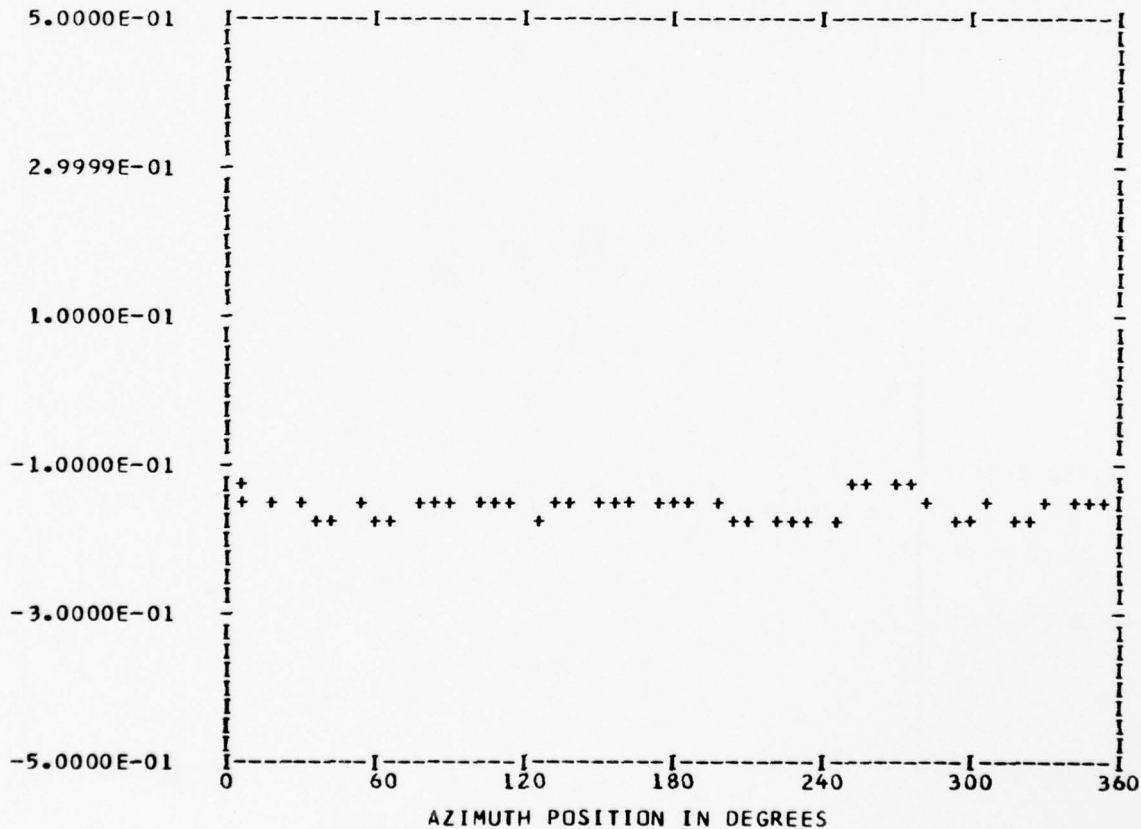
*** PS081.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   8
OUT OF RANGE   0   TP   11
BANDEDGE   0   CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.26367E-01	1	-0.27889E-02	0.72268E-04	0.27899E-02	271.4
	2	0.14564E-02	-0.10758E-02	0.18107E-02	126.4
	3	0.27469E-03	0.19243E-02	0.19438E-02	8.1
	4	0.82846E-02	-0.12788E-01	0.15237E-01	147.0
	5	-0.69665E-03	0.74454E-03	0.10196E-02	316.9
	6	0.42127E-03	-0.27088E-03	0.50085E-03	122.7
	7	-0.75760E-04	0.38392E-03	0.39132E-03	348.8
	8	-0.55685E-03	-0.55438E-02	0.55717E-02	185.7
	9	-0.19823E-03	0.50888E-03	0.54613E-03	338.7
	10	-0.16013E-03	-0.39435E-03	0.42562E-03	202.1

MAX= 0.31425E-02   MIN=-0.39004E-01   PEAK TO PEAK/2= 0.21073E-01

AZIMUTH POSITION IN DEGREES

48

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2   WAVEFORM ***
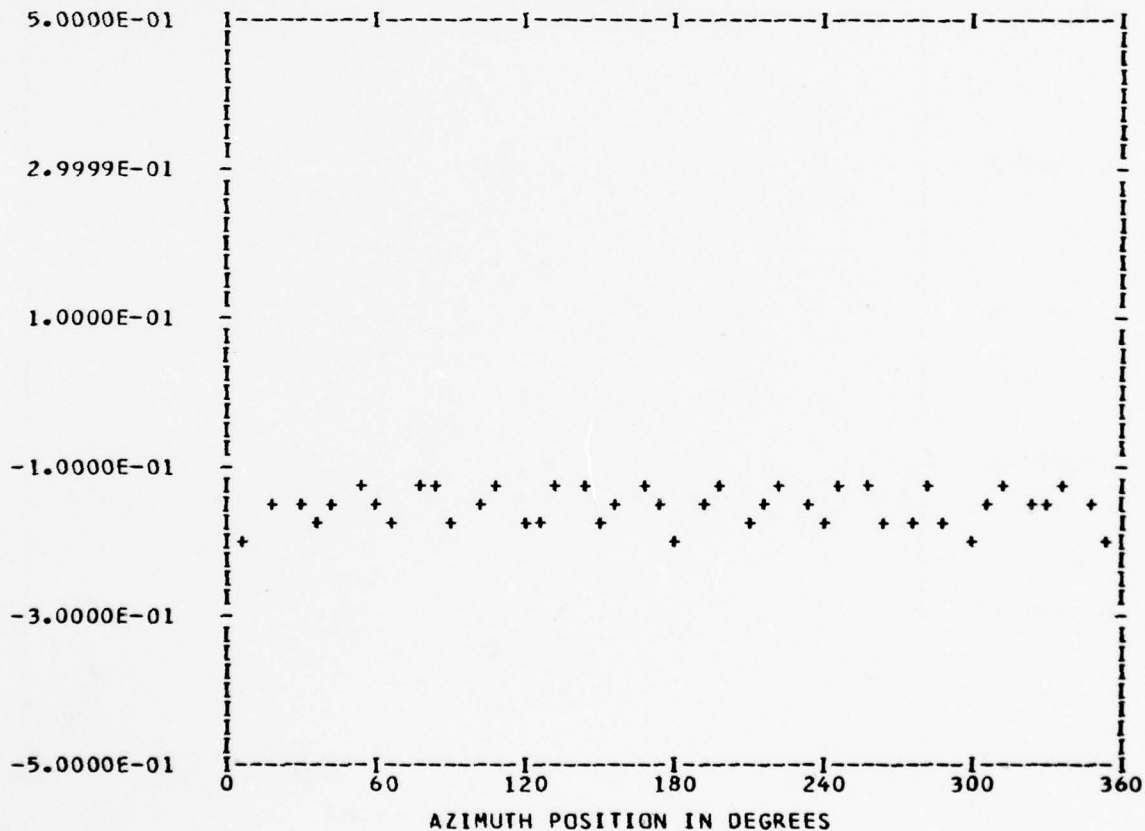***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   11
CHAN   59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.66723E-01	1	0.11469E-02	0.39130E-02	0.40777E-02	16.3
	2	0.58464E-03	0.14079E-02	0.15245E-02	22.5
	3	-0.34347E-02	0.53551E-03	0.34762E-02	278.8
	4	0.24475E-01	-0.19153E-01	0.31078E-01	128.0
	5	-0.56368E-03	-0.16186E-02	0.17139E-02	199.2
	6	0.26933E-02	-0.15826E-02	0.31239E-02	120.4
	7	-0.59614E-03	-0.90548E-04	0.60297E-03	261.3
	8	0.40582E-02	-0.56222E-02	0.69339E-02	144.1
	9	0.15655E-03	0.14104E-02	0.14190E-02	6.3
	10	-0.12323E-02	-0.58337E-04	0.12336E-02	267.2

MAX= 0.11263E 00   MIN= 0.32073E-01   PEAK TO PEAK/2= 0.40279E-01
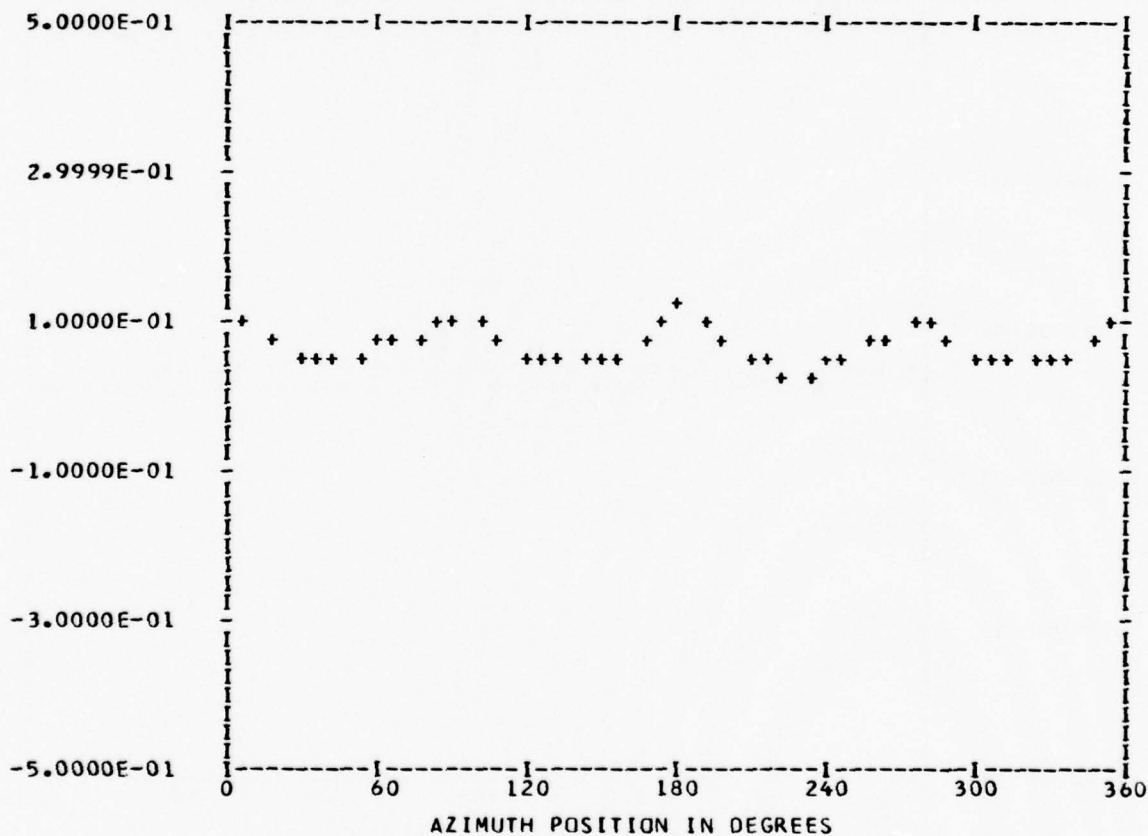
AZIMUTH POSITION IN DEGREES

49

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO81.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   8
OUT OF RANGE   0   TP   11
BANDEDGE   0   CHAN 49

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.38303E-01	1	-0.88549E-03	-0.23307E-03	0.91565E-03	255.2
	2	0.76554E-03	0.23179E-03	0.79986E-03	73.1
	3	-0.17361E-02	0.38181E-03	0.17776E-02	282.4
	4	0.13614E-01	0.66837E-02	0.15166E-01	63.8
	5	-0.92777E-03	-0.45919E-03	0.10351E-02	243.6
	6	-0.29350E-03	0.17632E-03	0.34239E-03	300.9
	7	-0.54138E-03	0.14447E-03	0.56032E-03	284.9
	8	0.27007E-02	0.11042E-02	0.29177E-02	67.7
	9	-0.28430E-03	-0.46352E-04	0.28805E-03	260.7
	10	0.48362E-03	-0.87772E-04	0.49152E-03	100.2

MAX= 0.63418E-01   MIN= 0.22714E-01   PEAK TO PEAK/2= 0.20351E-01
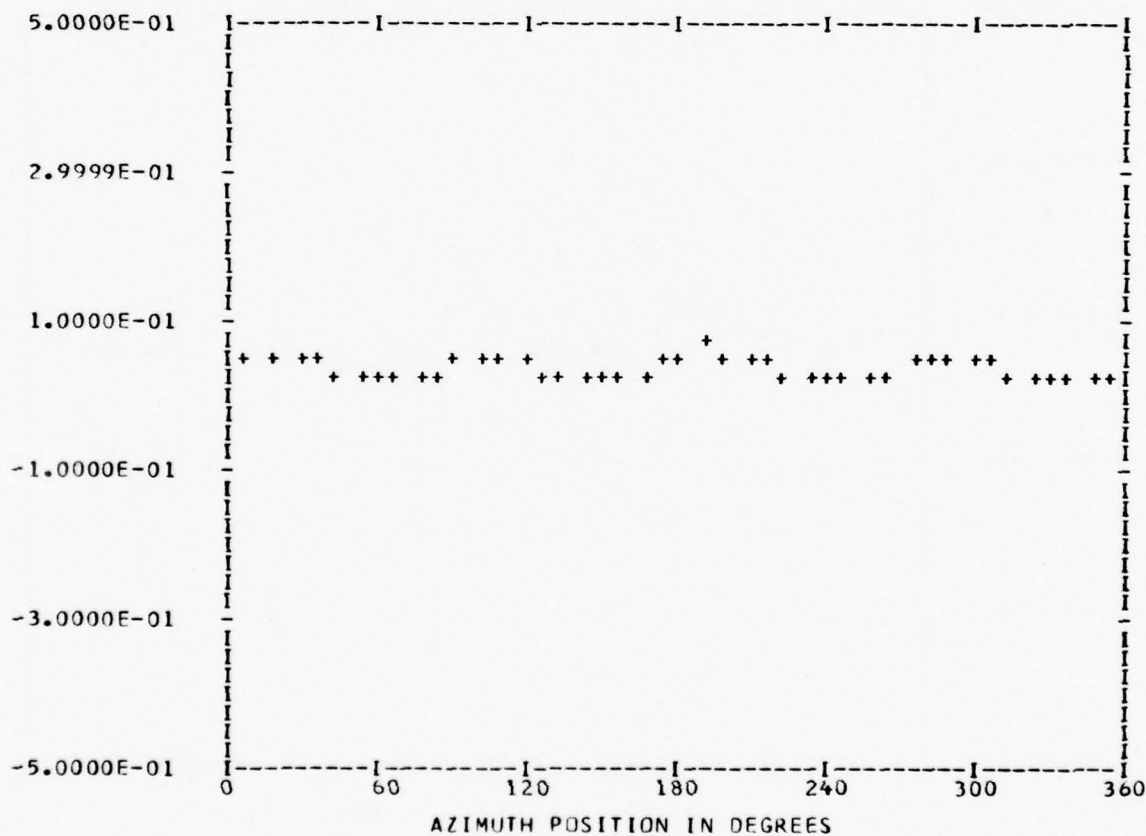
AZIMUTH POSITION IN DEGREES

50

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS089.1   WAVEFORM ***
*** CYCLE   0   ***

```
*** DATA ANALYSIS ***                                          RUN    8
ENTERED              44                                        TP    11
OUT OF RANGE          0                                        CHAN  45
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.23952E-02	1	-0.23868E-02	-0.52646E-02	0.57805E-02	204.3
	2	0.24364E-03	-0.16703E-02	0.16880E-02	171.7
	3	-0.75786E-02	-0.79494E-03	0.76202E-02	264.0
	4	0.21726E-01	0.21063E-02	0.21828E-01	84.4
	5	0.20969E-02	0.27627E-02	0.34684E-02	37.1
	6	0.82267E-02	0.19447E-02	0.84534E-02	76.7
	7	0.97570E-03	-0.32497E-03	0.10284E-02	108.4
	8	C.94044E-02	-0.39861E-02	0.10214E-01	112.9
	9	0.72226E-03	0.62397E-03	0.95447E-03	49.1
	10	0.33362E-04	0.33341E-03	0.33507E-03	5.7

MAX= 0.52033E-01   MIN=-0.32040E-01   PEAK TO PEAK/2= 0.42037E-01

AZIMUTH POSITION IN DEGREES

51

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
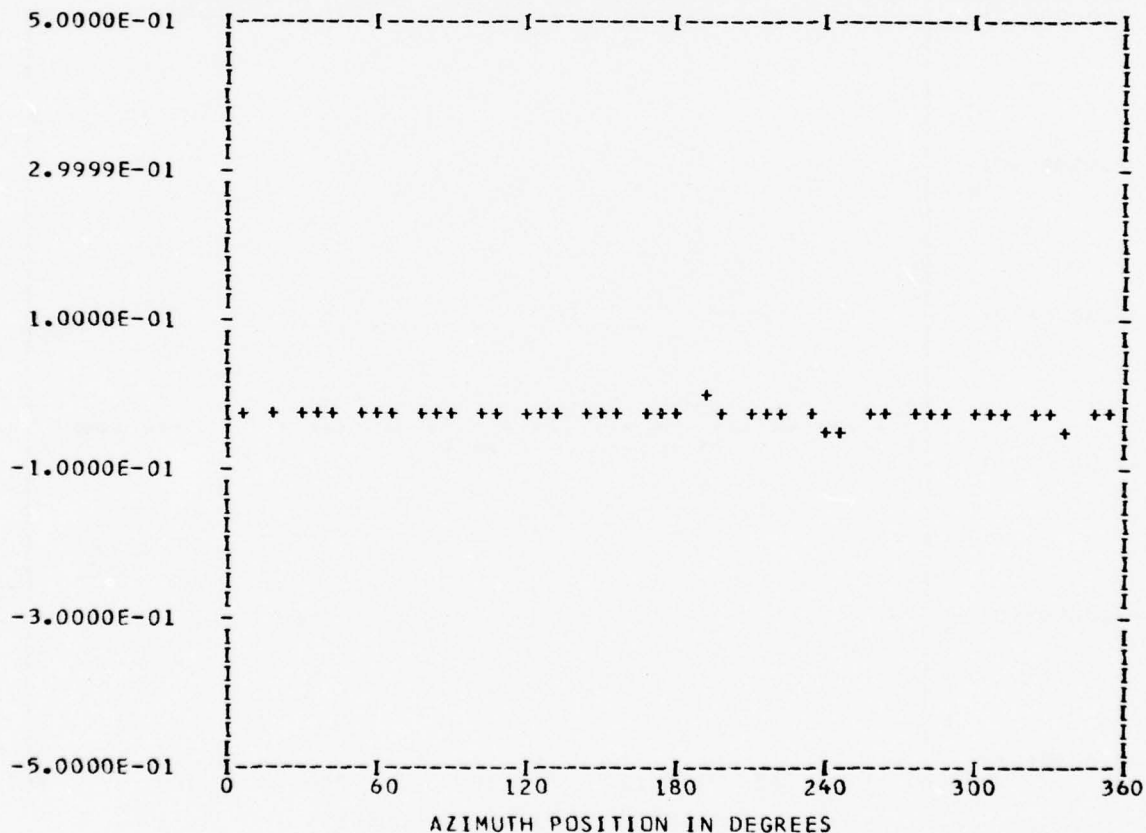
*** PS099.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   11
CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18968E 00	1	0.47468E-02	-0.36004E-02	0.59578E-02	127.1
	2	0.59014E-02	-0.89823E-02	0.10747E-01	146.6
	3	-0.23674E-02	0.74771E-02	0.78429E-02	342.4
	4	0.68844E-02	-0.78710E-02	0.10457E-01	138.8
	5	-0.31316E-02	0.15308E-02	0.34858E-02	296.0
	6	0.23503E-02	-0.88078E-03	0.25099E-02	110.5
	7	0.17097E-03	0.31445E-02	0.31491E-02	3.1
	8	0.59650E-03	-0.57840E-02	0.58147E-02	174.1
	9	-0.33724E-03	0.88241E-03	0.94466E-03	339.0
	10	0.44880E-03	-0.42582E-04	0.45081E-03	95.4

MAX= 0.22921E 00 MIN= 0.16324E 00 PEAK TO PEAK/2= 0.32982E-01

AZIMUTH POSITION IN DEGREES

52

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS099.2  WAVEFORM ***
                    ***     CYCLE  0      ***
*** DATA ANALYSIS ***                                    RUN    8
ENTERED            44                                    TP    11
OUT OF RANGE        0                                    CHAN  46
BANDEDGE            0
```
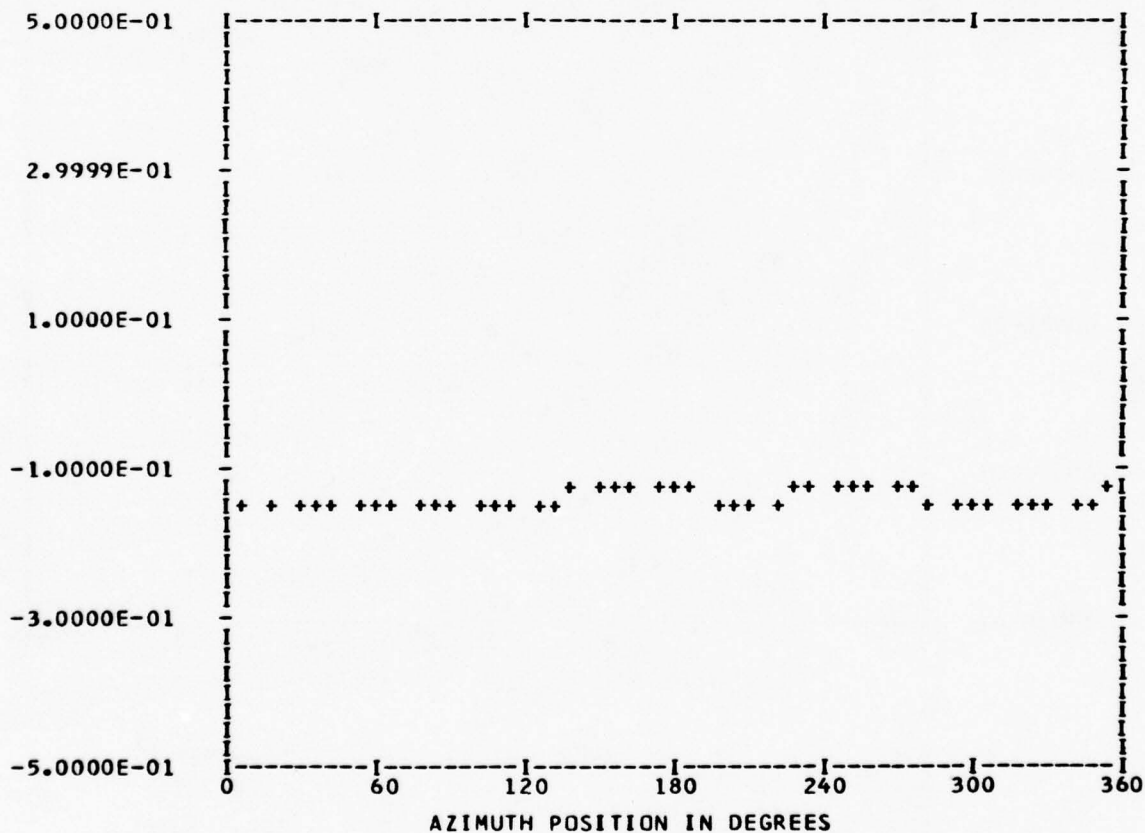
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.82129E-01	1	-0.82736E-02	0.69290E-03	0.83025E-02	274.7
	2	0.66074E-02	0.12622E-01	0.14247E-01	27.6
	3	-0.57267E-02	-0.46341E-02	0.73668E-02	231.0
	4	0.72658E-02	-0.60199E-02	0.94357E-02	129.6
	5	-0.52317E-03	-0.88918E-02	0.89071E-02	183.3
	6	0.50142E-02	-0.29629E-02	0.58242E-02	120.5
	7	-0.25491E-03	-0.27632E-02	0.27749E-02	185.2
	8	0.12054E-02	-0.45840E-02	0.47398E-02	165.2
	9	-0.21821E-02	-0.18532E-02	0.28629E-02	229.6
	10	0.97017E-03	-0.42924E-02	0.44006E-02	167.2

```
      MAX= 0.12151E 00   MIN= 0.46467E-01   PEAK TO PEAK/2= 0.37524E-01

 5.0000E-01   I----------I----------I----------I----------I----------I----------I
              I                                                                I
              I                                                                I
              I                                                                I
              I                                                                I
 2.9999E-01 -                                                                  -
              I                                                                I
              I                                                                I
              I                                                                I
              I                                                                I
 1.0000E-01 -            +  +++ ++              + +      + +++   + +        +-
              I    +   +        + ++ + + +++ +     +     ++    + +++ +    + + I
              I+ + +           +                                 ++ ++       I
              I                                                                I
              I                                                                I
-1.0000E-01 -                                                                  -
              I                                                                I
              I                                                                I
              I                                                                I
              I                                                                I
-3.0000E-01 -                                                                  -
              I                                                                I
              I                                                                I
              I                                                                I
              I                                                                I
-5.0000E-01   I----------I----------I----------I----------I----------I----------I
              0         60        120       180       240       300       360
                        AZIMUTH POSITION IN DEGREES
```

53

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                    RUN      8
ENTERED              44                                  TP      11
OUT OF RANGE          0                                  CHAN    51
BANDEDGE              0
```

```
   STEADY      HARM   COS COEFF        SIN COEFF          RES         PHASE
-0.33523E 00     1  -0.49628E-02     -0.19469E-02     0.53310E-02     248.5
                 2   0.23586E-02     -0.14746E-02     0.27817E-02     122.0
                 3   0.49930E-03      0.16718E-03     0.52655E-03      71.4
                 4   0.83669E-02     -0.10247E-02     0.84294E-02      96.9
                 5  -0.15942E-02      0.23764E-02     0.28616E-02     326.1
                 6   0.36319E-02      0.17039E-02     0.40117E-02      64.8
                 7   0.73556E-03     -0.20768E-02     0.22032E-02     160.4
                 8   0.42602E-03     -0.20195E-02     0.20639E-02     168.0
                 9   0.70202E-03      0.11660E-02     0.13610E-02      31.0
                10  -0.48575E-03     -0.48203E-03     0.68433E-03     225.2
```

MAX=-0.31152E 00   MIN=-0.35042E 00   PEAK TO PEAK/2= 0.19448E-01

AZIMUTH POSITION IN DEGREES

54

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

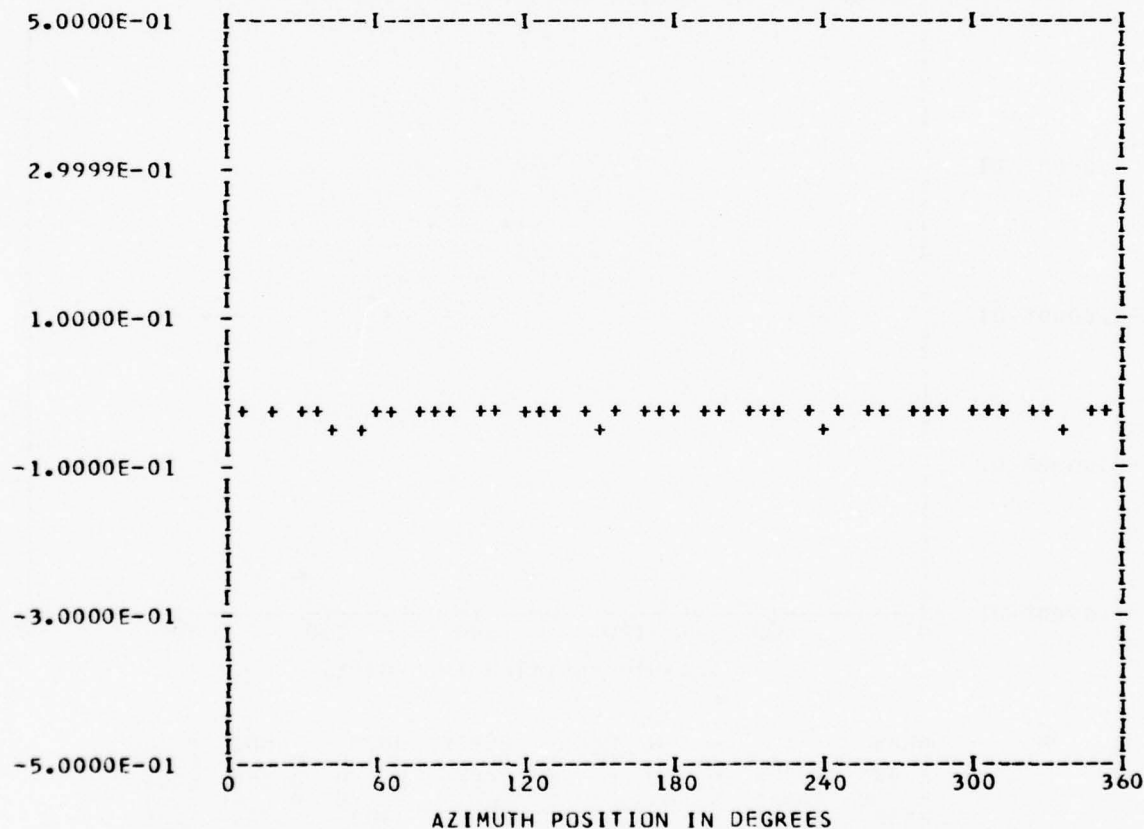### *** PS107.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   11
OUT OF RANGE   0   CHAN 55
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.24862E-02	1	0.55482E-03	0.47716E-02	0.48038E-02	6.6
	2	0.13457E-01	-0.79513E-02	0.15631E-01	120.5
	3	-0.14180E-02	0.24183E-02	0.28034E-02	329.6
	4	0.75093E-03	-0.47905E-02	0.48490E-02	171.0
	5	-0.16907E-02	0.21081E-02	0.27023E-02	321.2
	6	0.63758E-04	-0.67464E-03	0.67765E-03	174.6
	7	-0.13326E-03	0.18654E-03	0.22925E-03	324.4
	8	-0.12054E-03	-0.36872E-02	0.36891E-02	181.8
	9	-0.19450E-02	0.14498E-02	0.24259E-02	306.7
	10	-0.20044E-03	-0.68131E-04	0.21171E-03	251.2

MAX= 0.36151E-01 MIN=-0.19733E-01 PEAK TO PEAK/2= 0.27942E-01

AZIMUTH POSITION IN DEGREES

55

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.2  WAVEFORM ***
                        ***        CYCLE   0        ***
*** DATA ANALYSIS ***                                          RUN     8
ENTERED              44                                        TP     11
OUT OF RANGE          0                                        CHAN   60
BANDEDGE              0
```
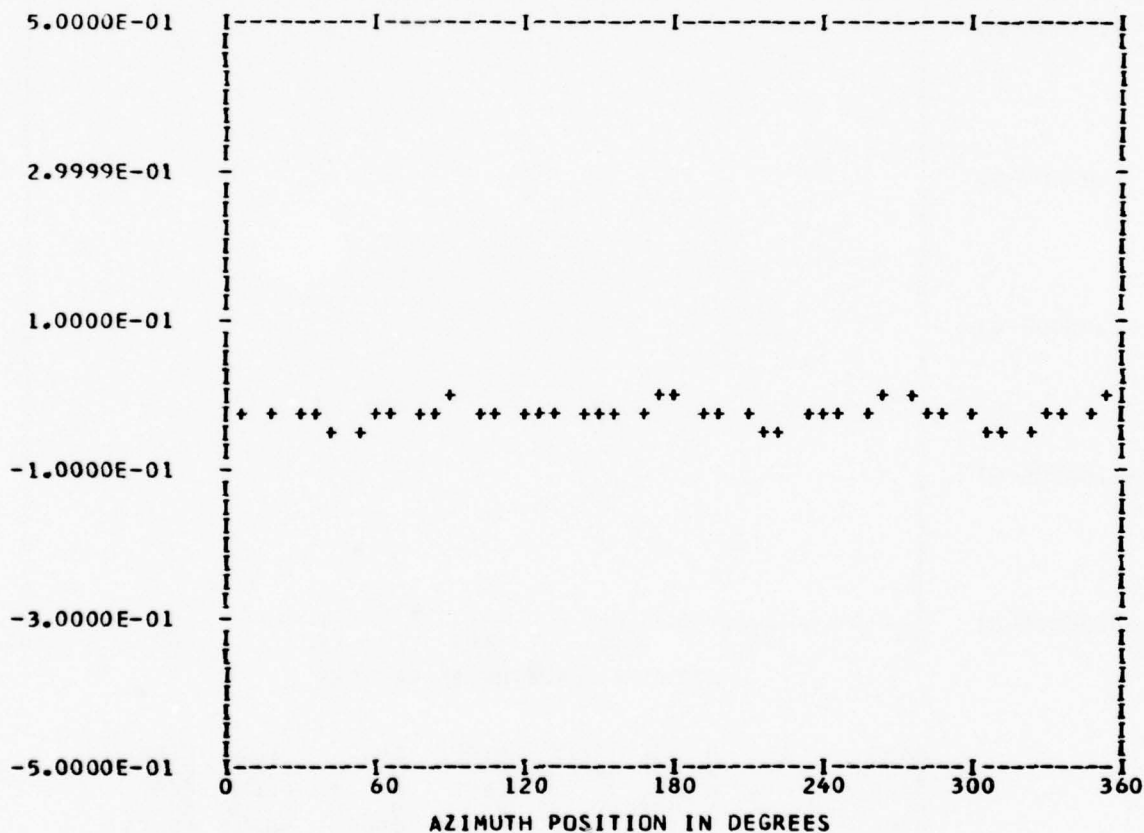
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.28235E-01	1	-0.47793E-02	0.34263E-02	0.58806E-02	305.6
	2	-0.54287E-02	0.79857E-03	0.54871E-02	278.3
	3	0.43032E-03	-0.14919E-02	0.15528E-02	163.9
	4	0.37425E-02	-0.94996E-02	0.10210E-01	158.4
	5	-0.29432E-03	-0.11026E-03	0.31429E-03	249.4
	6	0.16165E-02	-0.11099E-02	0.19609E-02	124.4
	7	0.10099E-02	0.52514E-03	0.11383E-02	62.5
	8	-0.62560E-03	-0.15984E-02	0.17165E-02	201.3
	9	0.28120E-03	0.20558E-02	0.20749E-02	7.7
	10	-0.47562E-03	-0.39500E-03	0.61826E-03	230.2

MAX=-0.71192E-02   MIN=-0.49495E-01   PEAK TO PEAK/2= 0.21188E-01

AZIMUTH POSITION IN DEGREES

56

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                      *** PS107.3  WAVEFORM ***
                      ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN     8
ENTERED            44                                        TP     11
OUT OF RANGE        0                                        CHAN   58
BANDEDGE            0

      STEADY    HARM    COS COEFF       SIN COEFF          RES        PHASE
  -0.21774E 00    1   -0.24685E-03    0.53069E-02      0.53127E-02    357.3
                  2    0.34236E-02    0.22785E-03      0.34312E-02     86.1
                  3   -0.25954E-02   -0.36465E-02      0.44758E-02    215.4
                  4   -0.88870E-02   -0.27797E-02      0.93116E-02    252.6
                  5   -0.21524E-02    0.17482E-02      0.27730E-02    309.0
                  6   -0.22442E-03    0.16992E-03      0.28149E-03    307.1
                  7   -0.18902E-02    0.19513E-02      0.27167E-02    315.9
                  8   -0.39005E-02    0.83245E-03      0.39884E-02    282.0
                  9   -0.14153E-02    0.14919E-02      0.20564E-02    316.5
                 10   -0.19344E-02    0.10735E-02      0.22123E-02    299.0
```

MAX=-0.18790E 00   MIN=-0.25601E 00   PEAK TO PEAK/2= 0.34057E-01

AZIMUTH POSITION IN DEGREES

57

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.4   WAVEFORM ***
***   CYCLE   0   ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.14106E 00	1	-0.10625E-02	0.27954E-02	0.29905E-02	339.1
	2	0.13546E-02	0.19511E-04	0.13547E-02	89.1
	3	-0.79368E-03	0.55749E-03	0.96992E-03	305.0
	4	-0.70844E-02	0.49835E-02	0.86617E-02	305.1
	5	-0.14111E-03	0.97077E-03	0.98097E-03	351.7
	6	0.14152E-02	-0.19767E-03	0.14289E-02	97.9
	7	-0.11543E-02	0.68342E-03	0.13414E-02	300.6
	8	-0.94558E-03	0.99719E-03	0.13742E-02	316.5
	9	-0.58848E-04	0.55876E-04	0.81150E-04	313.5
	10	0.33203E-03	-0.64268E-03	0.72339E-03	152.6

MAX= 0.15189E 00   MIN= 0.12427E 00   PEAK TO PEAK/2= 0.13808E-01

AZIMUTH POSITION IN DEGREES

58

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.5  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN      8
ENTERED              44                                      TP      11
OUT OF RANGE          0                                      CHAN    47
BANDEDGE              0
```

```
    STEADY        HARM    COS COEFF        SIN COEFF           RES        PHASE
 0.12224E 00       1    0.22803E-02      0.45541E-03       0.23253E-02     78.7
                   2    0.17704E-02     -0.34445E-02       0.38728E-02    152.7
                   3   -0.48260E-04     -0.22487E-03       0.22999E-03    192.1
                   4    0.50984E-02      0.27053E-02       0.57717E-02     62.0
                   5    0.31910E-04     -0.91444E-03       0.91500E-03    178.0
                   6   -0.64582E-04      0.14576E-04       0.66207E-04    282.7
                   7   -0.11243E-02     -0.14449E-03       0.11336E-02    262.6
                   8    0.21608E-02     -0.15008E-03       0.21660E-02     93.9
                   9   -0.43815E-04     -0.56642E-04       0.71611E-04    217.7
                  10   -0.14059E-03      0.60623E-03       0.62232E-03    346.9
```

MAX= 0.13757E 00   MIN= 0.11073E 00   PEAK TC PEAK/2= 0.13419E-01
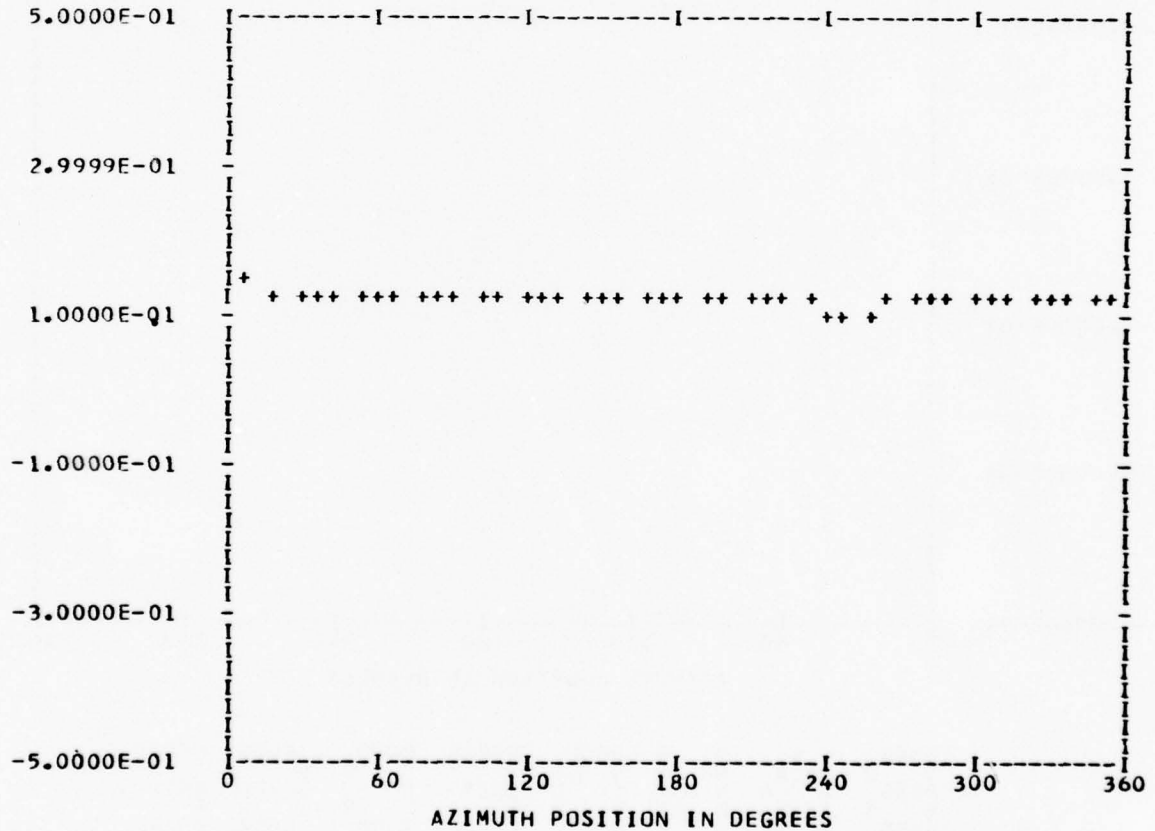
AZIMUTH POSITION IN DEGREES

59

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   8
TP   11
CHAN   50

HARMONIC ANALYSIS SKIPPED

MAX= 0.47892E 00   MIN= 0.47892E 00   PEAK TO PEAK/2= 0.00000E 00

AZIMUTH POSITION IN DEGREES

BBBB   A   N   N DDDD EEEEE DDDD   GGGG EEEEE
B B   A A   NN N D   D E   D   D G   E
BBBB   A A N N N D   D EEEE   D   D G GGG EEEE
B B AAAAA N NN D   D E   D   D G   G E
BBBB A   A N   N DDDD EEEEE DDDD   GGGG EEEEE

60

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

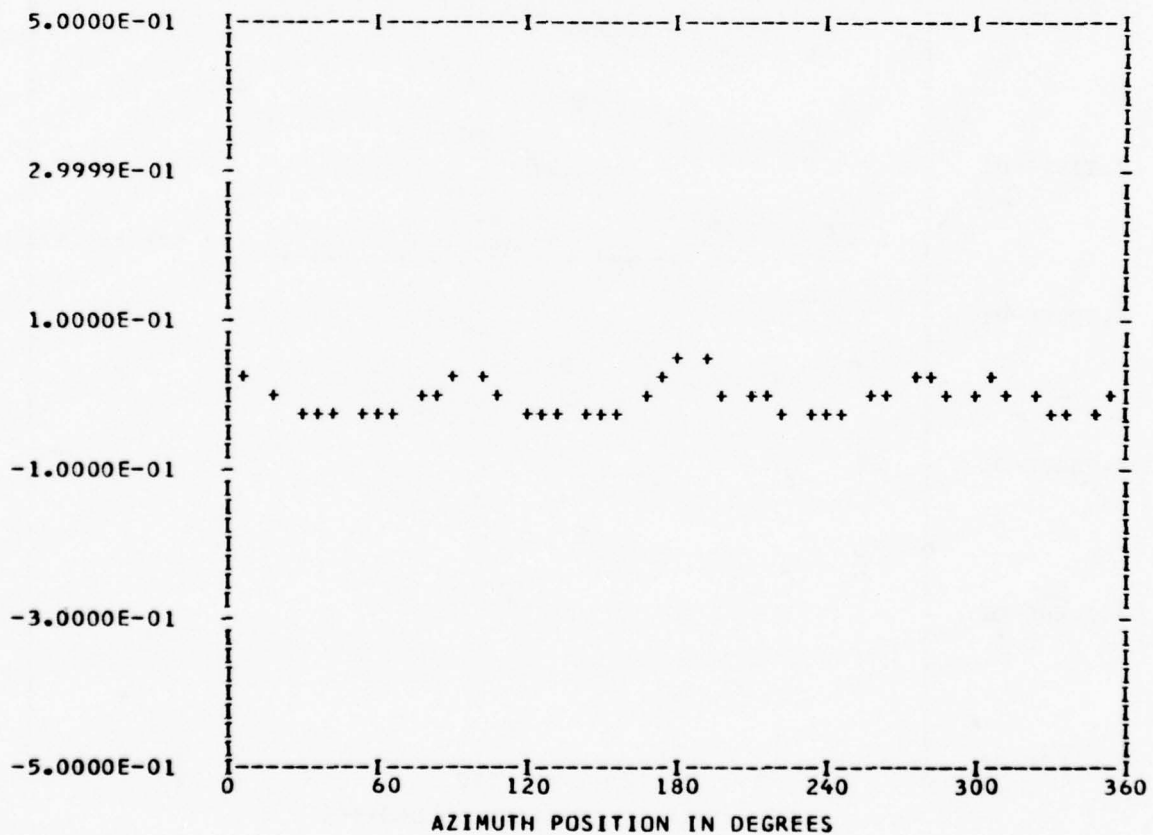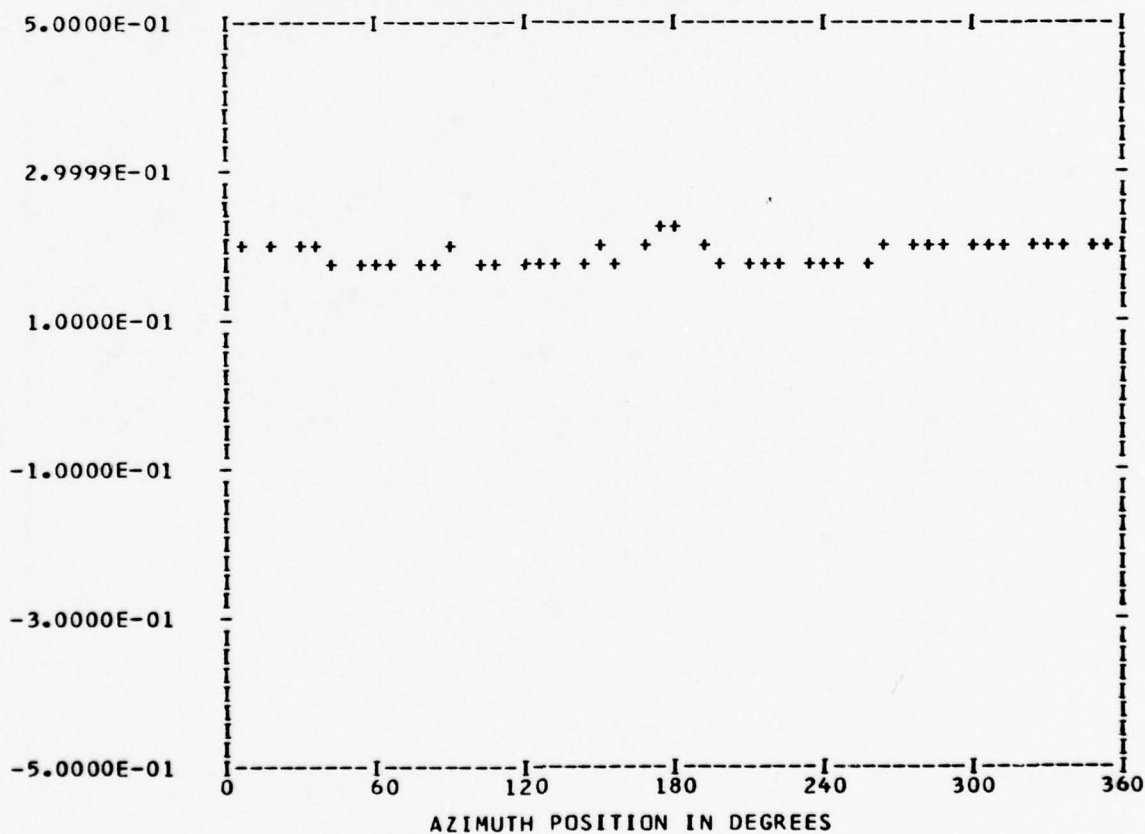*** PS112.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   11
OUT OF RANGE   0   CHAN   61
BANDEDGE   0

    STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
  -0.12613E-01   1   -0.99233E-03   0.12668E-02   0.16092E-02   321.9
                  2   0.14956E-02   -0.21385E-02   0.26096E-02   145.0
                  3   0.11771E-02   0.66732E-03   0.13531E-02   60.4
                  4   -0.17488E-02   -0.46878E-02   0.50034E-02   200.4
                  5   0.84386E-03   -0.10236E-02   0.13266E-02   140.4
                  6   0.23548E-04   -0.68514E-03   0.68555E-03   178.0
                  7   0.29723E-03   -0.21864E-03   0.36898E-03   126.3
                  8   -0.29995E-02   -0.19548E-02   0.35802E-02   236.9
                  9   -0.63179E-03   -0.40905E-03   0.75265E-03   237.0
                 10   -0.44577E-03   -0.24831E-03   0.51026E-03   240.8

    MAX=-0.14763E-02   MIN=-0.21918E-01   PEAK TC PEAK/2= 0.10221E-01
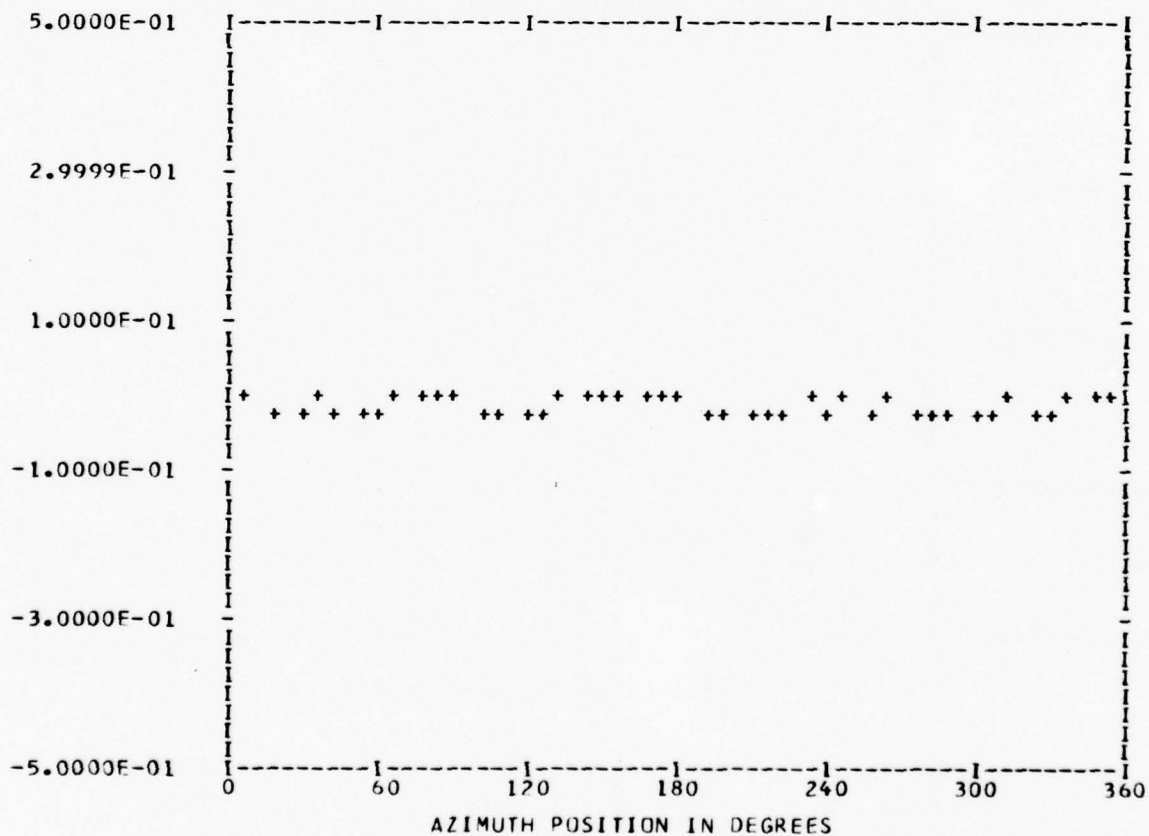
AZIMUTH POSITION IN DEGREES

61

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   8
TP   11
CHAN   48

HARMONIC ANALYSIS SKIPPED
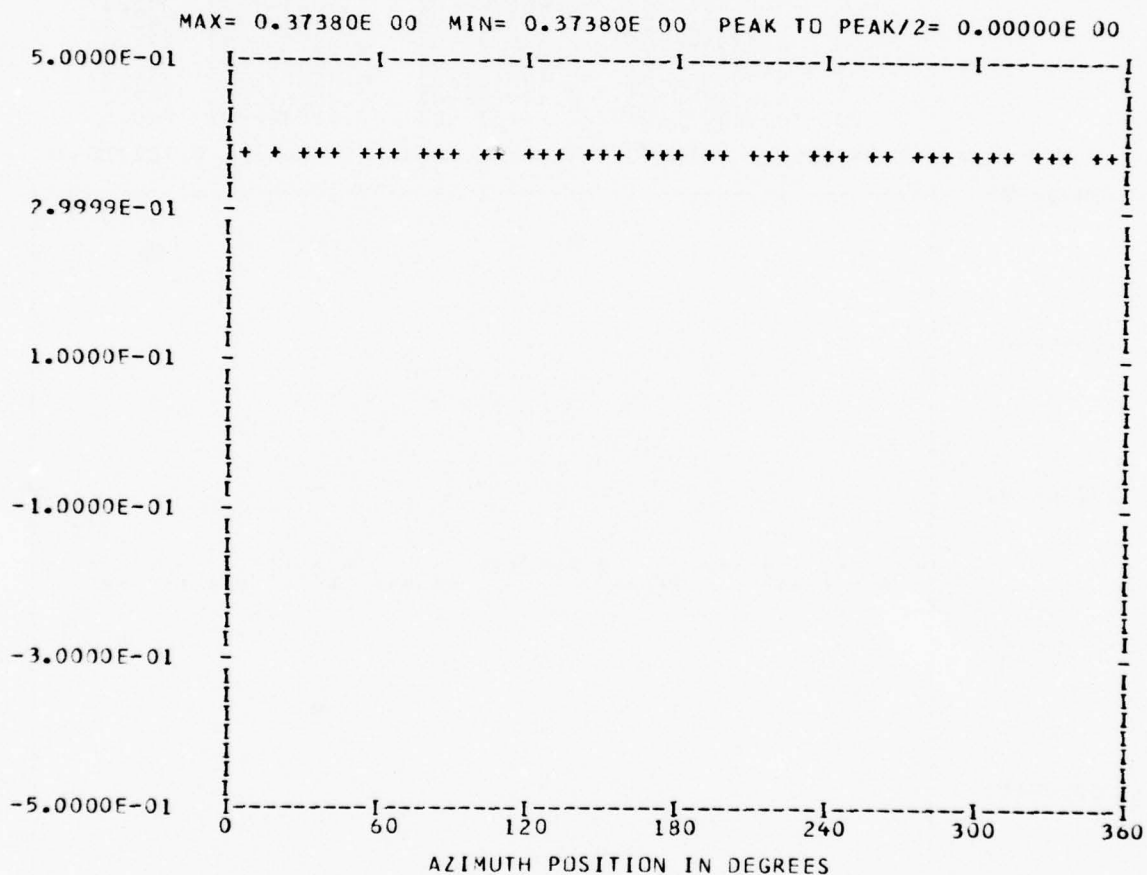
MAX= 0.37380E 00   MIN= 0.37380E 00   PEAK TO PEAK/2= 0.00000E 00

AZIMUTH POSITION IN DEGREES

62

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   11
CHAN   57

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.91772E-01	1	-0.17105E-02	0.19471E-03	0.17216E-02	276.4
	2	-0.23355E-02	0.12821E-02	0.26643E-02	298.7
	3	0.93130E-03	0.25584E-03	0.96580E-03	74.6
	4	0.57349E-02	0.55417E-02	0.79749E-02	45.9
	5	0.10122E-02	0.25278E-03	0.10433E-02	75.9
	6	0.44418E-03	-0.14301E-02	0.14975E-02	162.7
	7	-0.15381E-03	0.71301E-04	0.16953E-03	294.8
	8	-0.20494E-02	0.47699E-03	0.21041E-02	283.1
	9	-0.86742E-03	-0.91389E-03	0.12600E-02	223.5
	10	-0.24631E-03	0.54304E-04	0.25222E-03	282.4

MAX=-0.78912E-01   MIN=-0.11186E 00   PEAK TO PEAK/2= 0.16474E-01

AZIMUTH POSITION IN DEGREES

63

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS117.2  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN       8
ENTERED                   44                                 TP       11
OUT OF RANGE               0                                 CHAN     53
BANDEDGE                   0
```
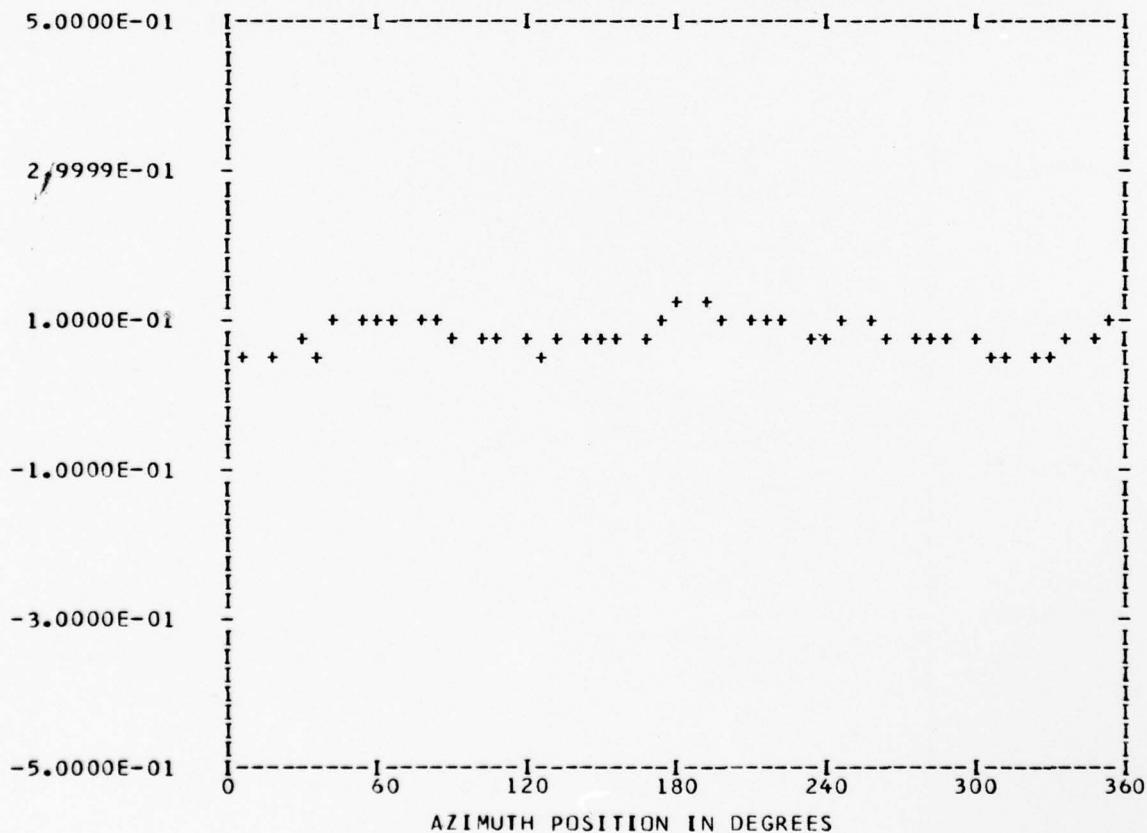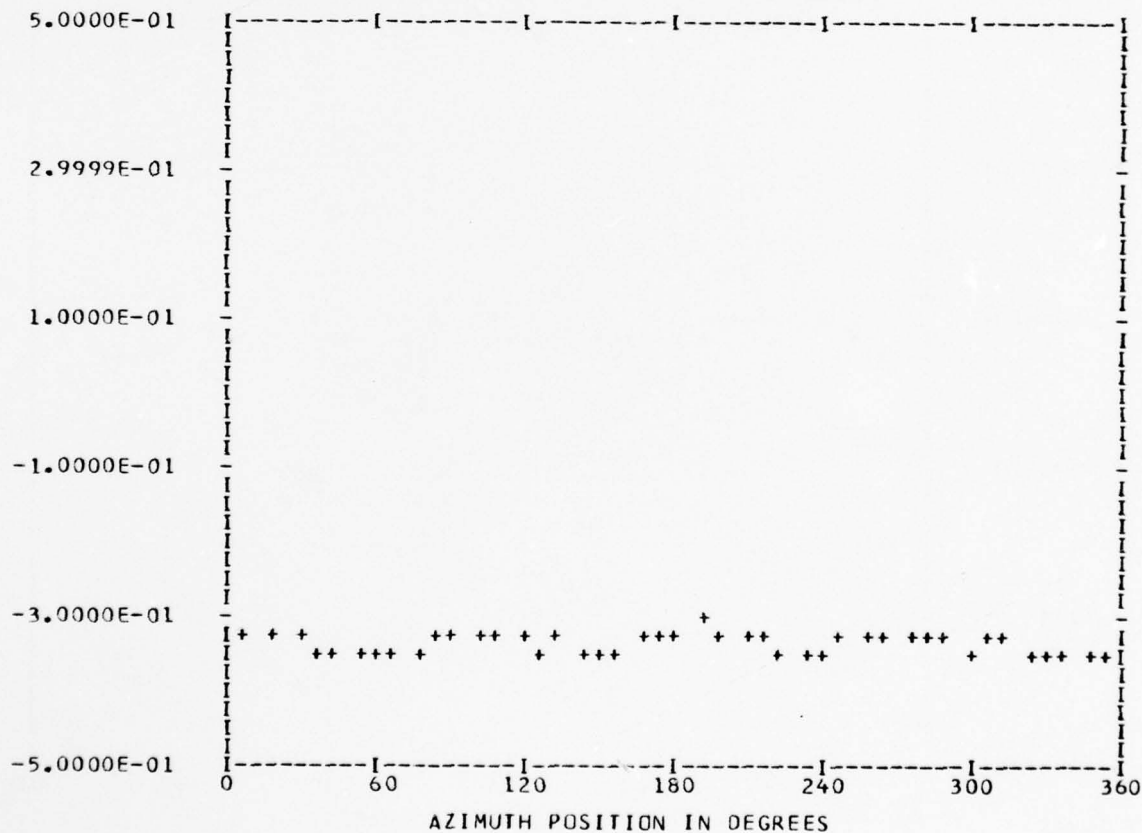
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.24687E 00	1	0.13102E-02	-0.19861E-02	0.23793E-02	146.5
	2	-0.12517E-02	-0.50521E-03	0.13498E-02	248.0
	3	-0.24778E-03	0.86450E-03	0.89931E-03	344.0
	4	0.16461E-02	0.10125E-02	0.19326E-02	58.4
	5	0.14800E-03	-0.59053E-03	0.60879E-03	165.9
	6	0.26478E-04	-0.74719E-03	0.74766E-03	177.9
	7	-0.16610E-03	0.29356E-03	0.32863E-03	329.6
	8	-0.18330E-02	-0.31739E-03	0.18603E-02	260.1
	9	0.42651E-03	-0.20820E-03	0.47462E-03	116.0
	10	-0.75823E-04	0.82413E-04	0.11198E-03	317.3

```
        MAX=-0.23723E 00   MIN=-0.25261E 00   PEAK TC PEAK/2= 0.76864E-02
```

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           I
              I                                                           I
              I                                                       +   I
              I+ +  +++  +++  +++  ++  +++  +++  +++  ++  +++  +++  ++  +++  ++  +++  ++I
-3.0000E-01   -                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120      180      240      300      360
                        AZIMUTH POSITION IN DEGREES
```

64

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.1   WAVEFORM ***
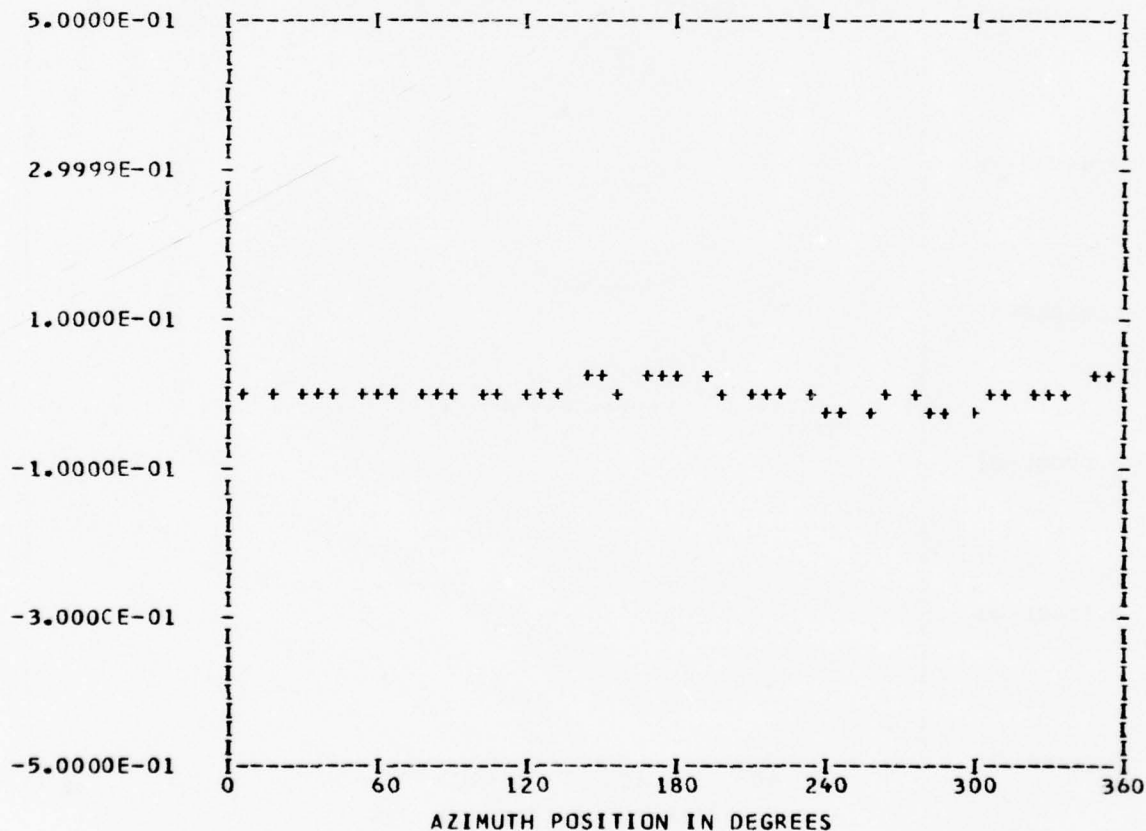***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.28414E-02	1	-0.24084E-02	-0.49599E-02	0.55137E-02	205.9
	2	-0.39703E-02	-0.81028E-03	0.40522E-02	258.4
	3	-0.11635E-02	0.27709E-02	0.30053E-02	337.2
	4	0.13303E-01	-0.19132E-01	0.23303E-01	145.1
	5	0.52178E-02	0.14988E-02	0.54288E-02	73.9
	6	-0.42958E-02	-0.78463E-03	0.43669E-02	259.6
	7	0.29119E-02	0.17133E-02	0.33785E-02	59.5
	8	0.51532E-02	-0.43245E-02	0.67273E-02	130.0
	9	-0.60248E-03	-0.50800E-03	0.78806E-03	229.8
	10	0.10087E-02	-0.13193E-02	0.16607E-02	142.5

MAX= 0.42208E-01   MIN=-C.38943E-01   PEAK TO PEAK/2= 0.40575E-01

AZIMUTH POSITION IN DEGREES

65

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.13304E 00	1	-0.18159E-02	-0.33439E-02	0.38052E-02	208.5
	2	-0.10126E-01	0.26493E-02	0.10467E-01	284.6
	3	-0.11960E-01	0.27525E-02	0.12273E-01	282.9
	4	0.34949E-01	-0.24202E-01	0.42511E-01	124.7
	5	-0.29207E-03	-0.20187E-03	0.35505E-03	235.3
	6	0.24448E-02	0.55645E-02	0.60779E-02	23.7
	7	0.54558E-02	0.19037E-02	0.57784E-02	70.7
	8	0.87226E-02	-0.14547E-01	0.16962E-01	149.0
	9	-0.39736E-02	-0.48705E-02	0.62858E-02	219.2
	10	-0.69344E-02	-0.67363E-02	0.96677E-02	225.8

MAX= 0.20432E 00 MIN= 0.70783E-01 PEAK TO PEAK/2= 0.66769E-01

AZIMUTH POSITION IN DEGREES

66

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS081.3  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN     8
ENTERED            44                                        TP     14
OUT OF RANGE        0                                        CHAN   49
BANDEDGE            0
```
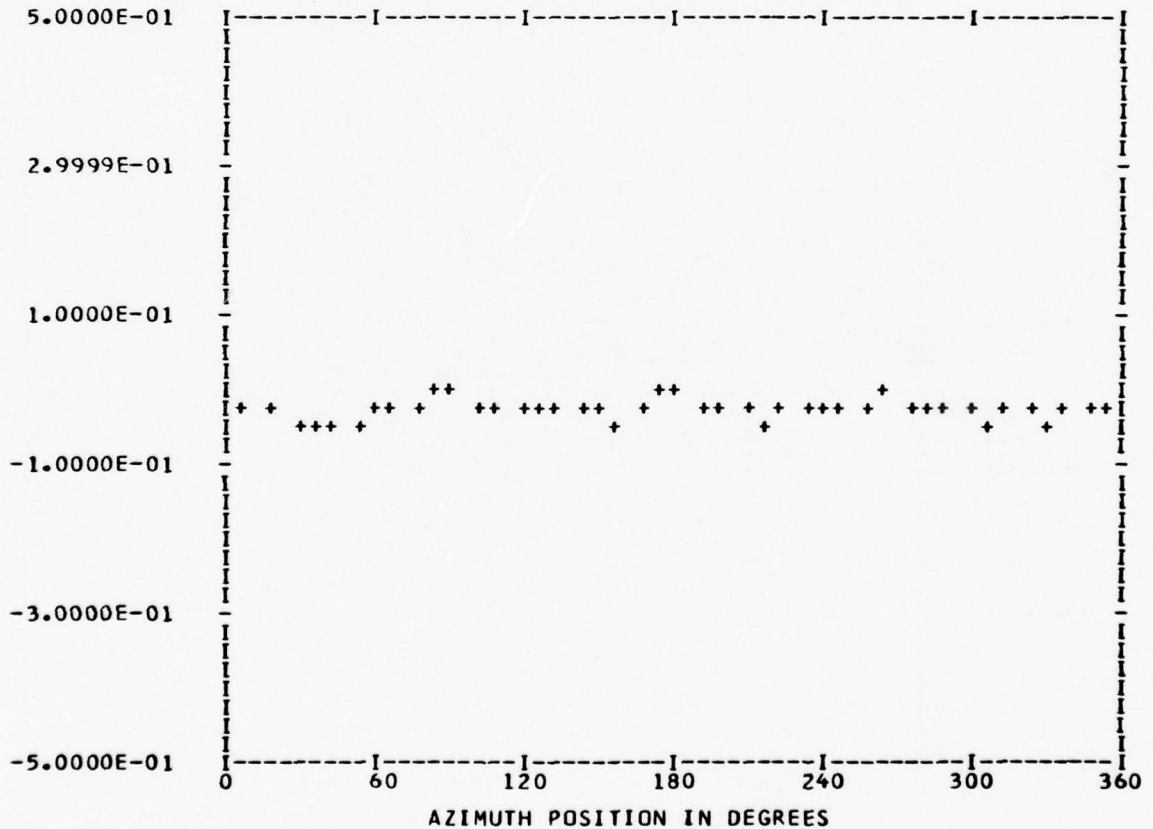
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.98228E-01	1	0.23142E-03	0.47770E-02	0.47826E-02	2.7
	2	0.17867E-02	-0.17165E-04	0.17868E-02	90.5
	3	-0.12107E-02	0.44810E-02	0.46417E-02	344.8
	4	0.22223E-01	0.19355E-01	0.29470E-01	48.9
	5	-0.17333E-02	0.11928E-01	0.21041E-02	304.5
	6	0.34947E-02	-0.35362E-02	0.49717E-02	135.3
	7	0.28706E-02	-0.14277E-02	0.32061E-02	116.4
	8	0.98200E-02	0.10355E-01	0.14271E-01	43.4
	9	0.89937E-03	0.13930E-02	0.16581E-02	32.8
	10	-0.22302E-02	0.13690E-03	0.22344E-02	273.5

```
        MAX= 0.15114E 00   MIN= 0.58643E-01   PEAK TO PEAK/2= 0.46249E-01
```


AZIMUTH POSITION IN DEGREES

67

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS089.1   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   45

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.52761E-01	1	-0.15559E-02	-0.11929E-03	0.15605E-02	265.6
	2	0.97309E-03	-0.43350E-02	0.44428E-02	167.3
	3	-0.44155E-02	-0.51394E-02	0.67757E-02	220.6
	4	0.32672E-01	0.70307E-02	0.33420E-01	77.8
	5	-0.60392E-02	-0.45094E-02	0.75371E-02	233.2
	6	-0.94080E-03	-0.74358E-05	0.94083E-03	269.5
	7	0.38261E-03	0.73818E-02	0.73917E-02	2.9
	8	0.15489E-01	-0.18442E-02	0.15598E-01	96.7
	9	0.77599E-03	0.36441E-02	0.37258E-02	12.0
	10	-0.41713E-04	0.10785E-03	0.11564E-03	338.8

MAX= 0.12816E 00   MIN= 0.15137E-02   PEAK TO PEAK/2= 0.63323E-01
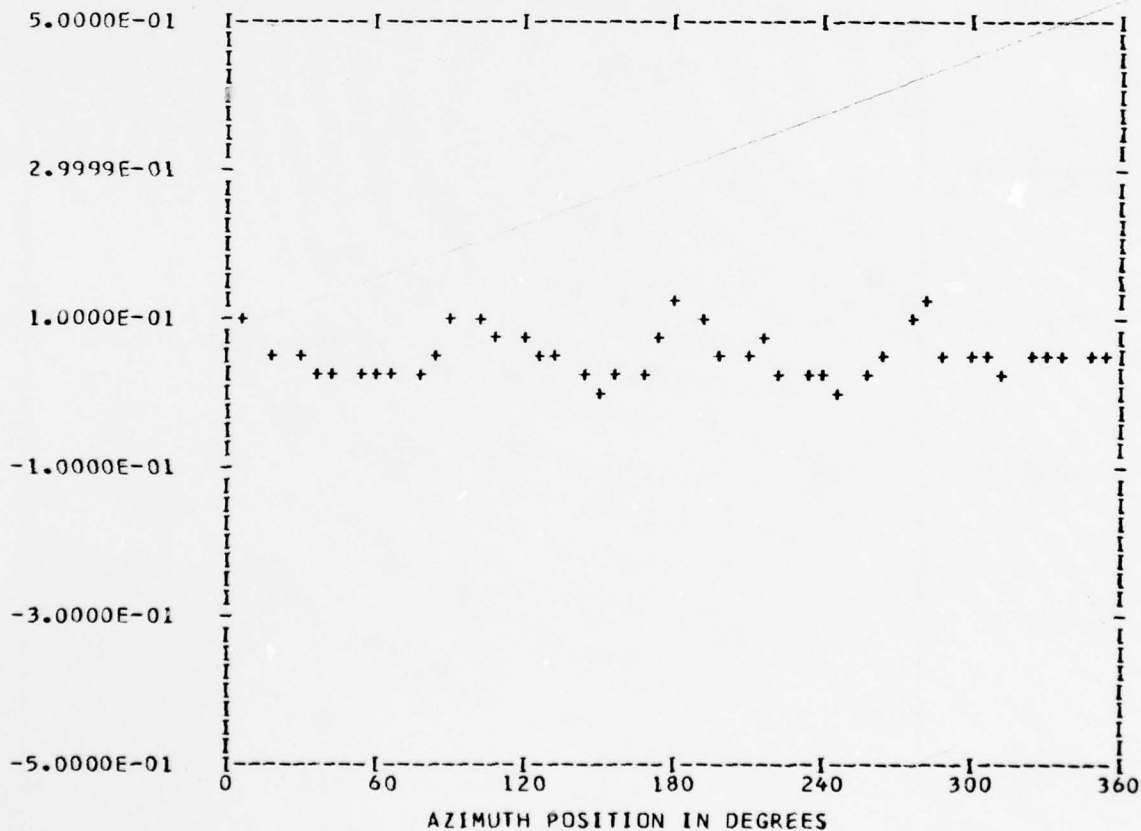
AZIMUTH POSITION IN DEGREES

68

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

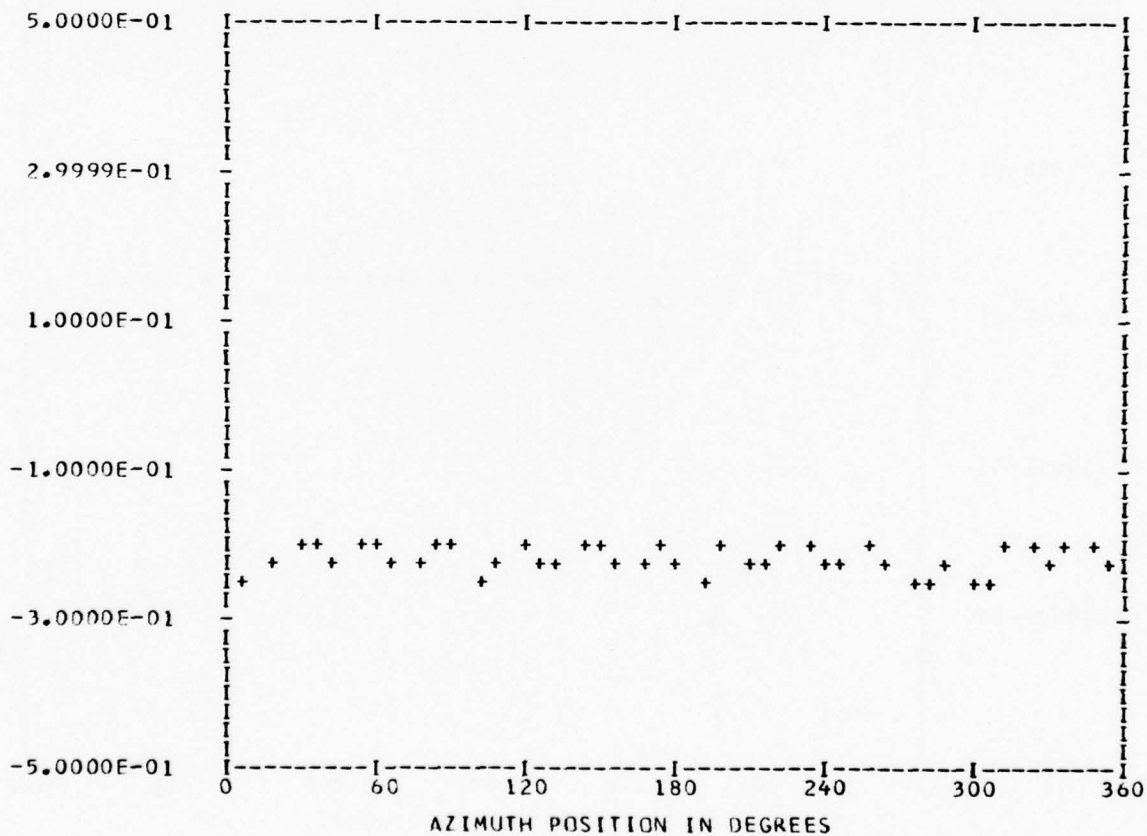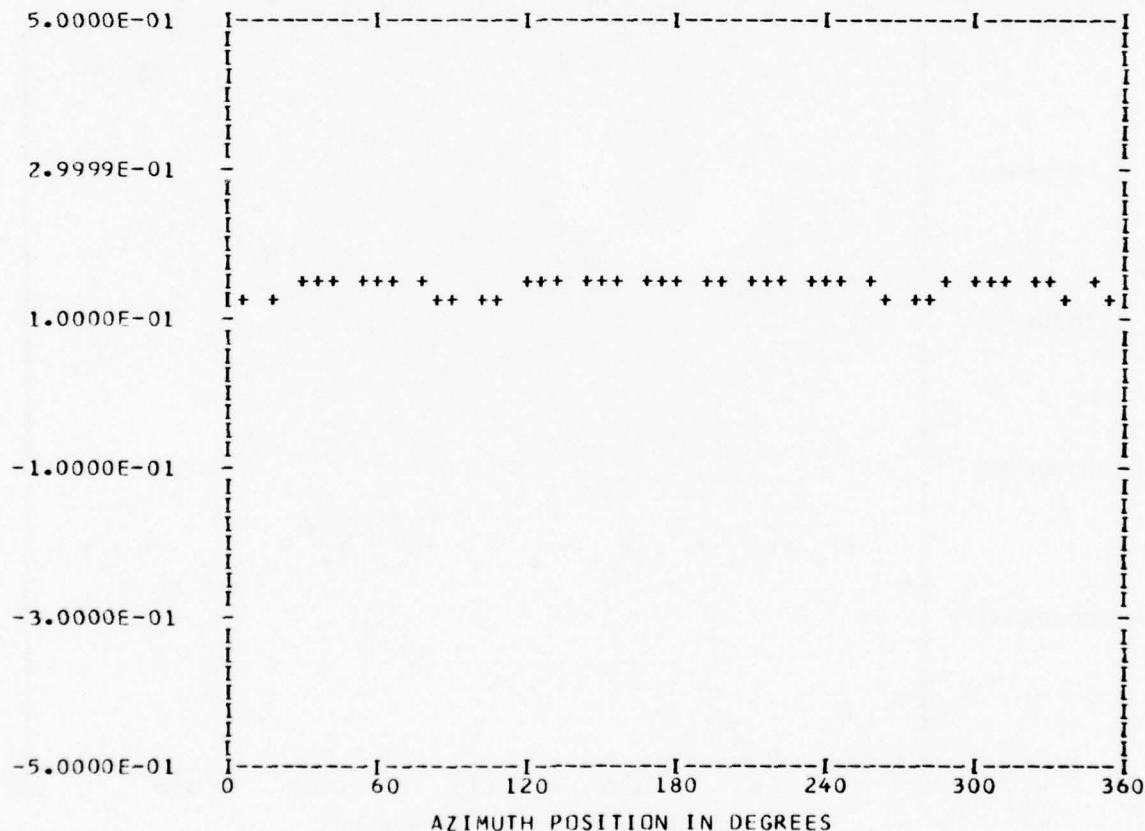*** PS099.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.23957E 00	1	0.10150E-02	0.58620E-02	0.59493E-02	9.8
	2	-0.18208E-02	-0.45770E-02	0.49259E-02	201.6
	3	-0.17549E-02	-0.14263E-02	0.22615E-02	230.8
	4	0.13948E-01	-0.13326E-01	0.19291E-01	133.6
	5	-0.10455E-02	0.15704E-02	0.18866E-02	326.3
	6	-0.26029E-02	-0.73117E-02	0.77612E-02	199.5
	7	0.33448E-02	-0.34803E-02	0.48270E-02	136.1
	8	0.77840E-02	-0.10446E-01	0.13027E-01	143.3
	9	-0.96668E-03	-0.57227E-02	0.58038E-02	189.5
	10	0.23740E-02	-0.38089E-02	0.44882E-02	148.0

MAX= 0.29745E 00   MIN= 0.19438E 00   PEAK TC PEAK/2= 0.51538E-01
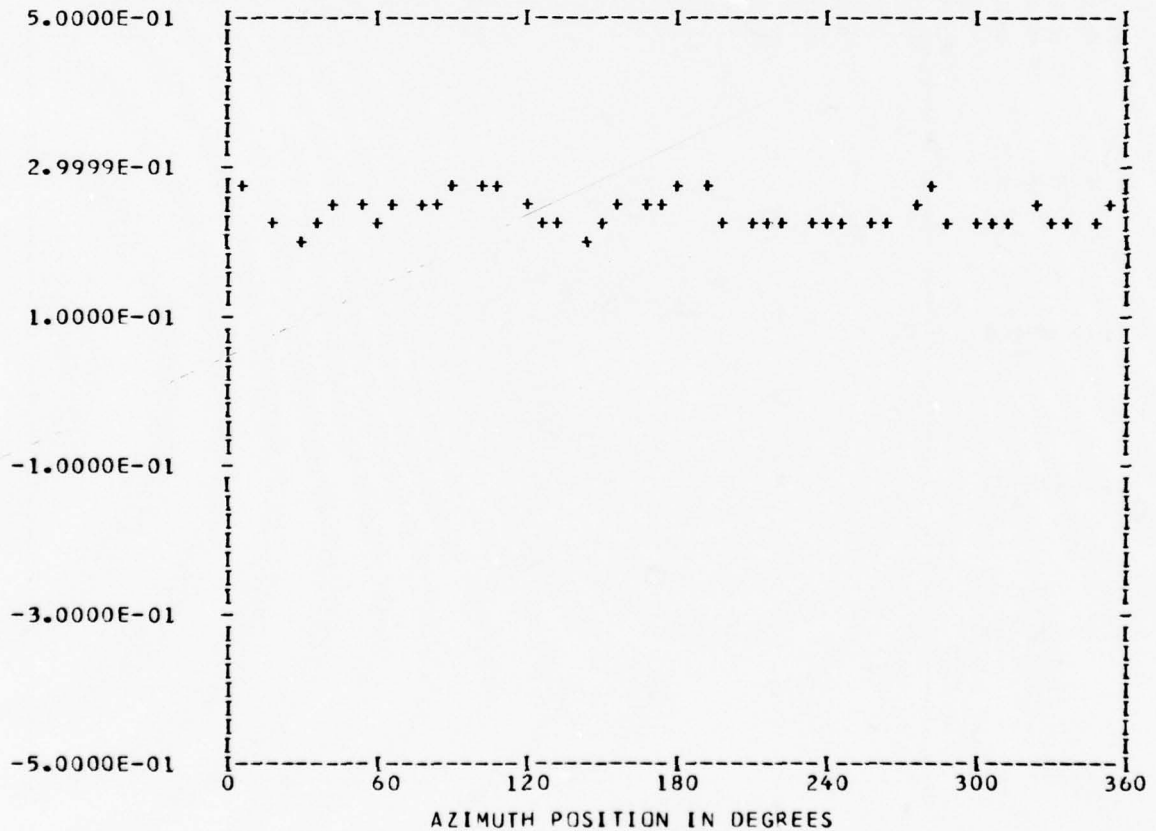
AZIMUTH POSITION IN DEGREES

69

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS099.2   WAVEFORM ***
                    ***       CYCLE   0      ***
*** DATA ANALYSIS ***                                          RUN      8
ENTERED              44                                        TP      14
OUT OF RANGE          0                                        CHAN    46
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.17586E 00	1	0.40890E-02	0.95027E-02	0.10345E-01	23.2
	2	0.30727E-01	0.48486E-02	0.31107E-01	81.0
	3	0.53439E-02	0.11502E-01	0.12683E-01	24.9
	4	0.10106E-01	-0.39537E-02	0.10852E-01	111.3
	5	-0.14385E-01	0.16205E-01	0.21669E-01	318.4
	6	-0.93265E-02	0.13584E-01	0.16477E-01	325.5
	7	-0.11145E-01	0.11527E-01	0.16034E-01	315.9
	8	0.12919E-02	0.33734E-03	0.13352E-02	75.3
	9	-0.15503E-04	-0.55492E-02	0.55492E-02	180.1
	10	-0.33039E-02	-0.19320E-02	0.38274E-02	239.6

MAX= 0.31983E 00   MIN= 0.10594E 00   PEAK TO PEAK/2= 0.10694E 00

AZIMUTH POSITION IN DEGREES

70

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS099.3  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                            RUN    8
ENTERED            44                                            TP    14
OUT OF RANGE       44                                            CHAN  51
BANDEDGE           24
                        HARMONIC ANALYSIS SKIPPED
```
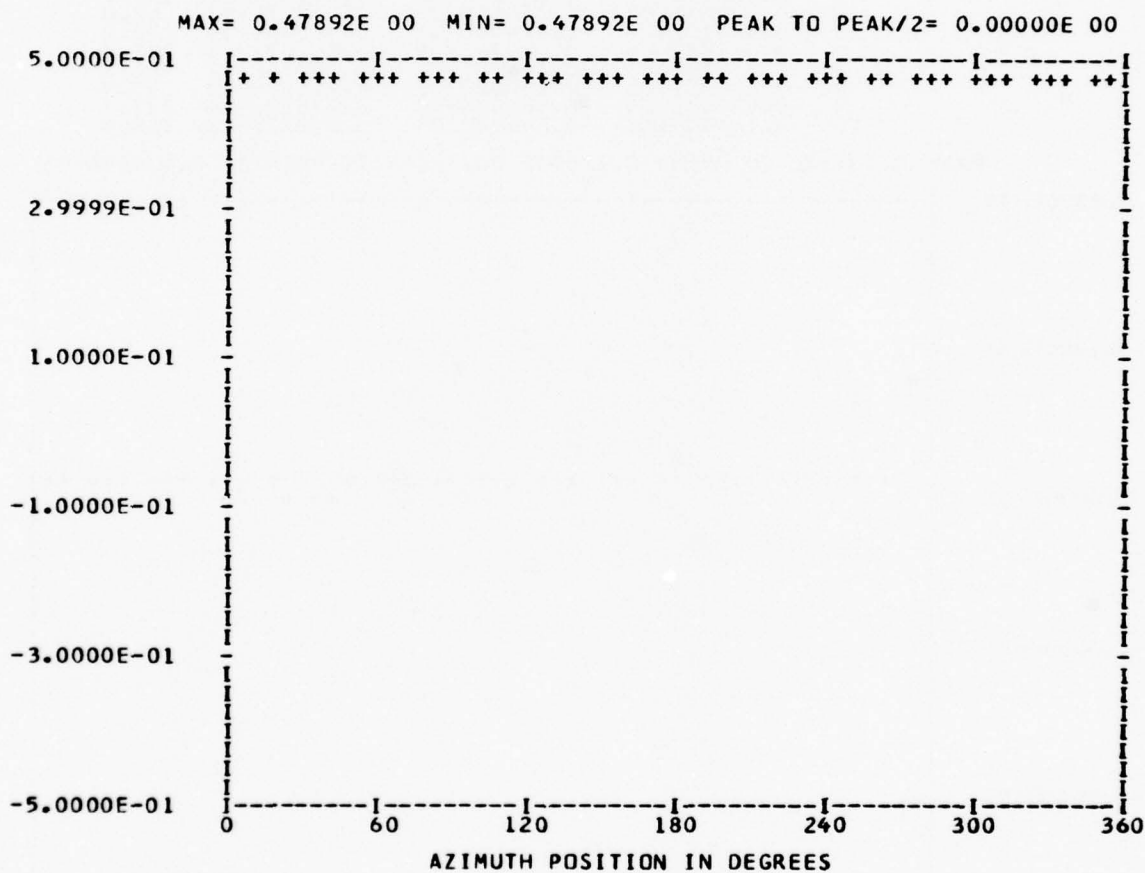
MAX=-0.40574E 00   MIN=-0.78024E 00   PEAK TO PEAK/2= 0.18725E 00

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0         60        120       180       240       300     360
                        AZIMUTH POSITION IN DEGREES
```

```
BBBB     A      N   N   DDDD    EEEEE   DDDD    GGGG    EEEEE
B   B   A A     NN  N   D   D   E       D   D   G       E
BBBB    A A     N N N   D   D   EEEE    D   D   G GGG   EEEE
B   B  AAAAA    N  NN   D   D   E       D   D   G   G   E
BBBB   A   A    N   N   DDDD    EEEEE   DDDD    GGGG    EEEEE
```

71

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   14
OUT OF RANGE   0   CHAN   55
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.24341E 00	1	-0.23839E-01	0.14624E-01	0.27967E-01	301.5
	2	0.55208E-02	-0.20563E-02	0.58914E-02	110.4
	3	-0.43433E-02	-0.72206E-02	0.84263E-02	211.0
	4	0.31929E-01	-0.15532E-01	0.35507E-01	115.9
	5	-0.18970E-02	-0.48725E-02	0.52288E-02	201.2
	6	-0.61471E-03	0.50949E-02	0.51319E-02	353.1
	7	-0.41387E-04	-0.12659E-03	0.13318E-03	198.1
	8	-0.11169E-01	-0.99520E-02	0.14959E-01	228.2
	9	-0.16004E-02	-0.21839E-02	0.27075E-02	216.2
	10	-0.23948E-02	-0.30255E-02	0.38586E-02	218.3

MAX=-0.17406E 00   MIN=-0.31137E 00   PEAK TO PEAK/2= 0.68653E-01

AZIMUTH POSITION IN DEGREES

72

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                          *** PS107.2   WAVEFORM ***
                          ***         CYCLE   0      ***
*** DATA ANALYSIS ***                                            RUN      8
ENTERED            44                                            TP      14
OUT OF RANGE        0                                            CHAN    60
BANDEDGE            0

      STEADY      HARM    COS COEFF        SIN COEFF          RES        PHASE
    0.11672E 00    1    0.22605E-01     -0.21168E-01      0.30969E-01    133.1
                   2   -0.33461E-02     -0.19347E-01      0.19634E-01    189.8
                   3    0.60499E-02      0.10666E-01      0.12262E-01     29.5
                   4   -0.32452E-02      0.52404E-02      0.61639E-02    328.2
                   5    0.84166E-02     -0.87791E-02      0.12161E-01    136.2
                   6   -0.50449E-02     -0.31688E-02      0.59575E-02    237.8
                   7    0.52932E-02      0.13423E-01      0.14429E-01     21.5
                   8    0.13363E-02      0.13942E-01      0.14006E-01      5.4
                   9    0.71159E-02     -0.15098E-03      0.71176E-02     91.2
                  10    0.19439E-02      0.98532E-03      0.21794E-02     63.1

        MAX= 0.22428E 00   MIN= 0.59055E-01   PEAK TO PEAK/2= 0.82616E-01
```
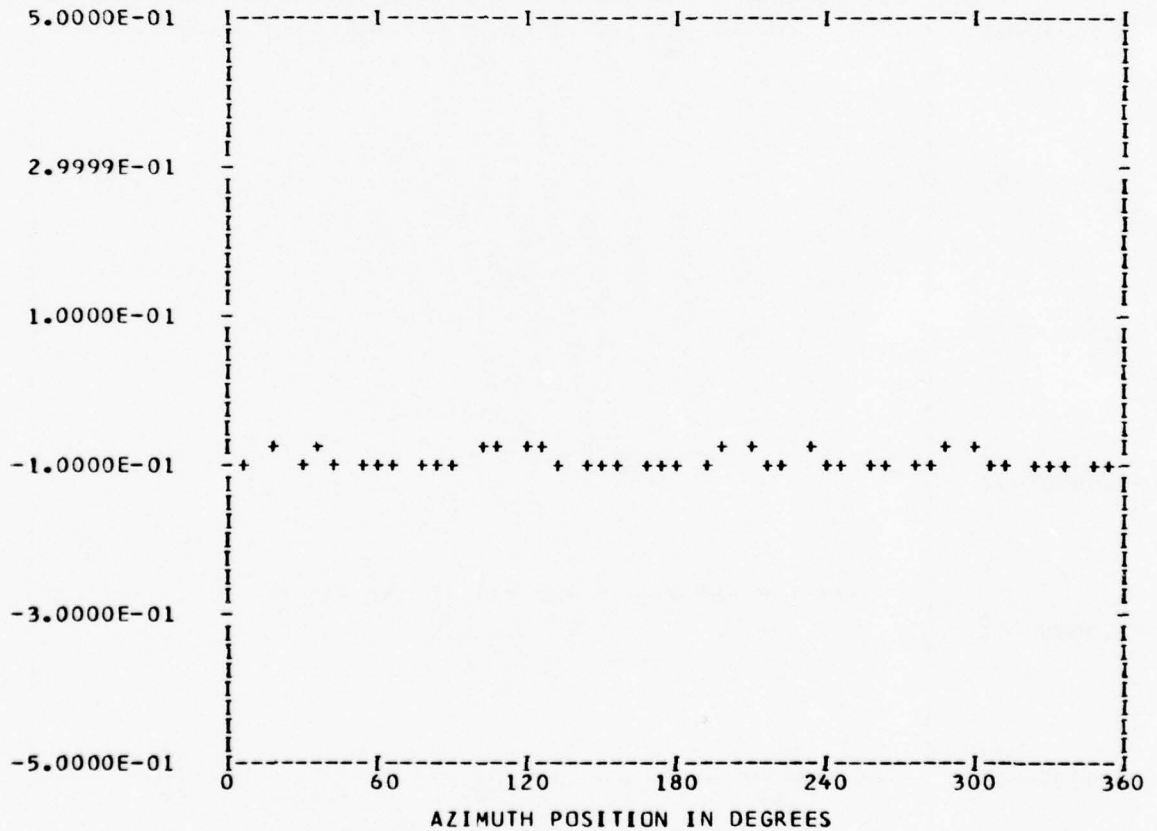

AZIMUTH POSITION IN DEGREES

73

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   58

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.29073E 00	1	-0.24549E-02	0.50115E-02	0.55805E-02	333.9
	2	-0.11849E-01	0.10422E-01	0.15781E-01	311.3
	3	0.26451E-01	0.35364E-02	0.26686E-01	82.3
	4	0.15737E-01	-0.96931E-03	0.15767E-01	93.5
	5	-0.10630E-01	0.21205E-01	0.23720E-01	333.3
	6	0.86450E-03	-0.71824E-02	0.72343E-02	173.1
	7	0.79310E-03	0.21877E-02	0.23271E-02	19.9
	8	-0.37584E-02	0.43803E-02	0.57717E-02	319.3
	9	0.59790E-02	-0.50154E-02	0.78040E-02	129.9
	10	0.17475E-01	-0.11867E-01	0.21124E-01	124.1

MAX=-0.19685E 00   MIN=-0.41401E 00   PEAK TO PEAK/2= 0.10858E 00
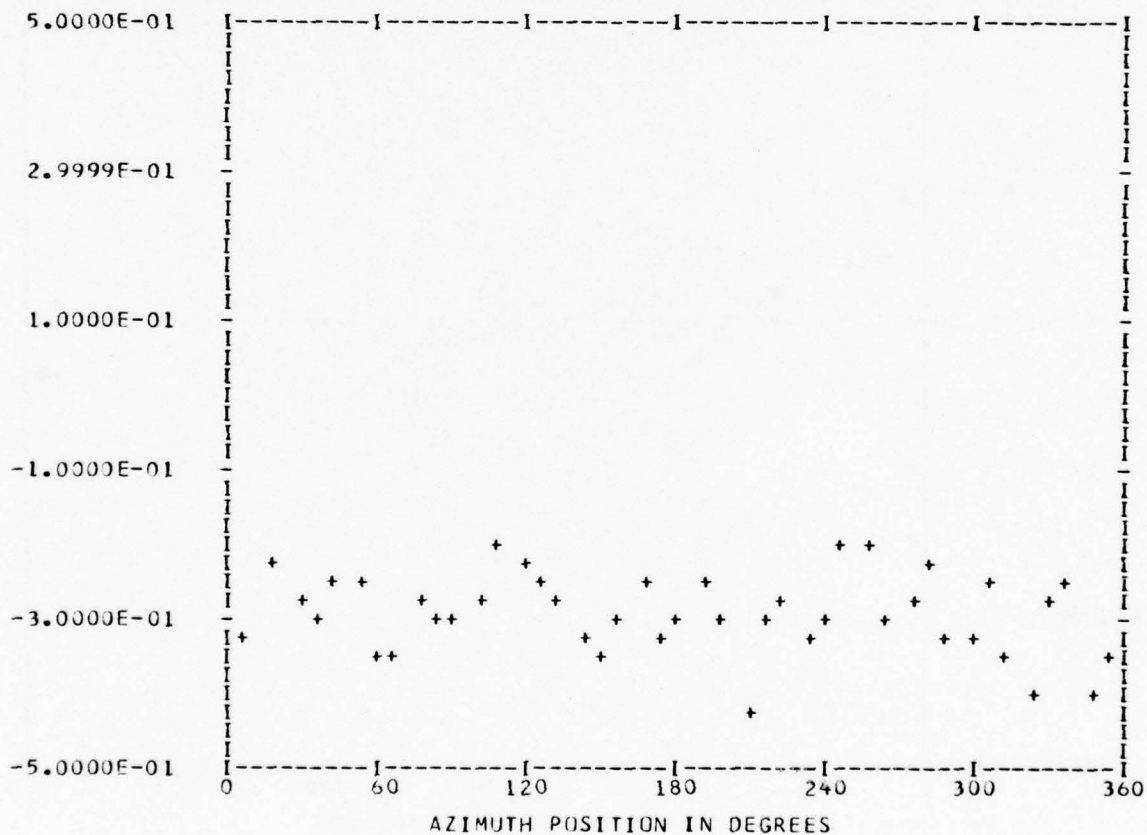
AZIMUTH POSITION IN DEGREES

74

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

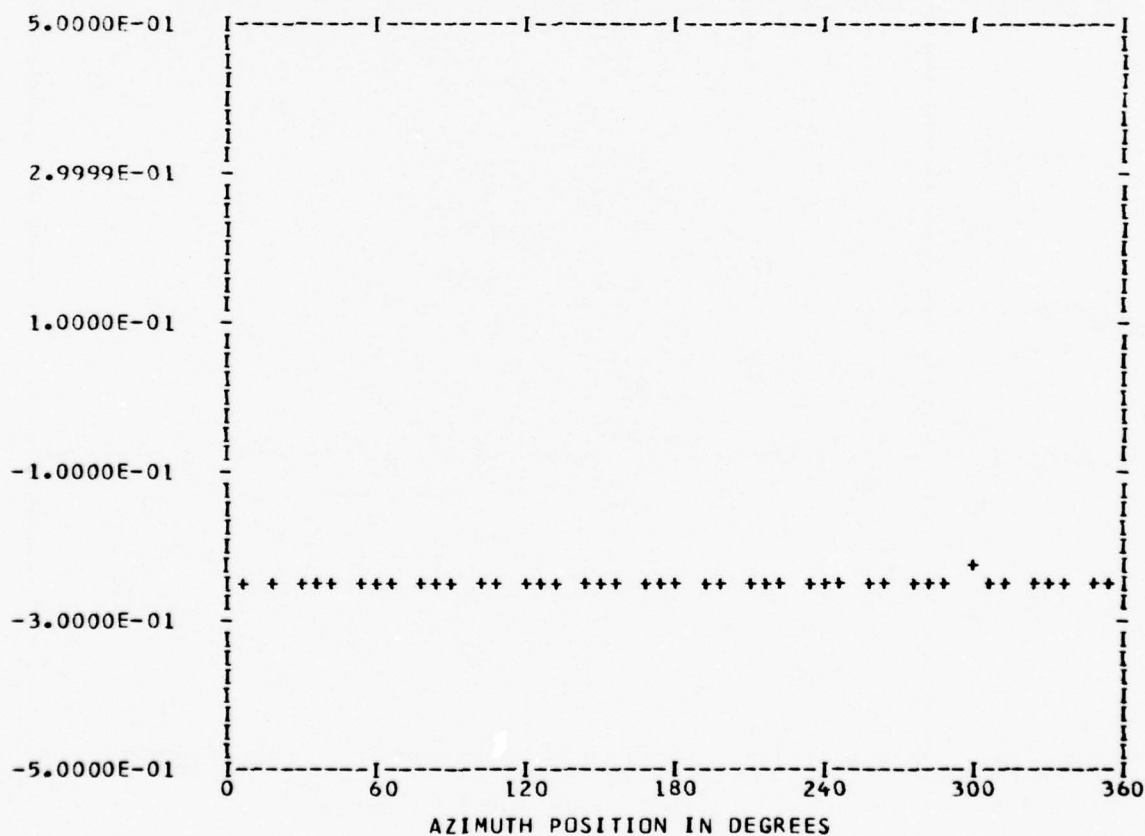*** PS107.4   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN 52

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.69952E-01	1	0.10990E-01	0.88592E-02	0.14116E-01	51.1
	2	0.19547E-01	0.15195E-01	0.24758E-01	52.1
	3	0.10831E-01	0.38942E-02	0.11510E-01	70.2
	4	-0.38093E-01	-0.11395E-01	0.39761E-01	106.6
	5	-0.12673E-01	0.17522E-01	0.21625E-01	324.1
	6	-0.10396E-01	0.11248E-01	0.15317E-01	317.2
	7	-0.77619E-02	0.13115E-01	0.15240E-01	329.3
	8	0.40675E-02	0.14717E-01	0.15269E-01	15.4
	9	0.50033E-02	-0.47543E-02	0.69020E-02	133.5
	10	0.40223E-02	-0.75530E-02	0.85573E-02	151.9

MAX= 0.49069E-01   MIN=-0.18450E 00   PEAK TO PEAK/2= 0.11678E 00

AZIMUTH POSITION IN DEGREES

75

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
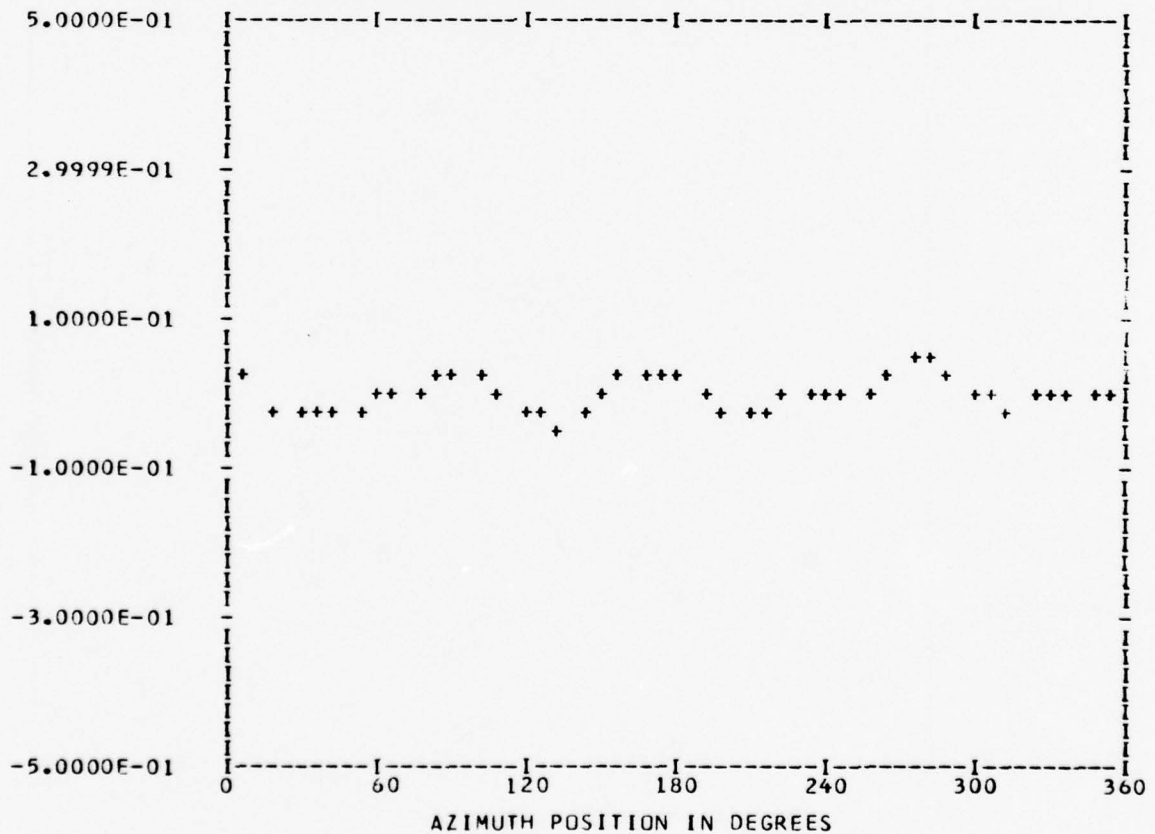
*** PS107.5 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   14
OUT OF RANGE   0   CHAN   47
BANDEDGE   0

     STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
  0.32320E 00   1   -0.45574E-02   -0.19267E-01   0.19799E-01   193.3
                  2   0.19902E-02   0.16031E-01   0.16154E-01   7.0
                  3   -0.15922E-03   0.68266E-02   0.68284E-02   358.6
                  4   0.26025E-01   0.12412E-01   0.28833E-01   64.5
                  5   0.23919E-02   -0.44912E-02   0.50885E-02   151.9
                  6   0.74709E-02   -0.54291E-02   0.92352E-02   126.0
                  7   0.52279E-03   0.12610E-01   0.12620E-01   2.3
                  8   0.24052E-04   0.59087E-02   0.59087E-02   0.2
                  9   -0.17777E-02   -0.19456E-02   0.26355E-02   222.4
                 10   0.49629E-02   -0.38154E-02   0.62600E-02   127.5

MAX= 0.39513E 00   MIN= 0.24335E 00   PEAK TO PEAK/2= 0.75888E-01

AZIMUTH POSITION IN DEGREES

76

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   14
OUT OF RANGE   0   CHAN   50
BANDEDGE   44   HARMONIC ANALYSIS SKIPPED

          MAX= 0.47892E 00   MIN= 0.47892E 00   PEAK TO PEAK/2= 0.00000E 00

5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I   I
             I   I
             I   I
             I   I
2.9999E-01   -   I
             I   I
             I   I
             I   I
             I   I
1.0000E-01   -   -
             I   I
             I   I
             I   I
             I   I
-1.0000E-01 -   -
             I   I
             I   I
             I   I
             I   I
-3.0000E-01 -   -
             I   I
             I   I
             I   I
             I   I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
             0   60   120   180   240   300   360
                       AZIMUTH POSITION IN DEGREES

     BBBB   A   N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE
     B   B   A A   NN N   D   D   E   D   D   G   E
     BBBB   A A   N N N   D   D   EEEE   D   D   G GGG   EEEE
     B   B   AAAAA   N NN   D   D   E   D   D   G   G   E
     BBBB   A   A   N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE
                                 77

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

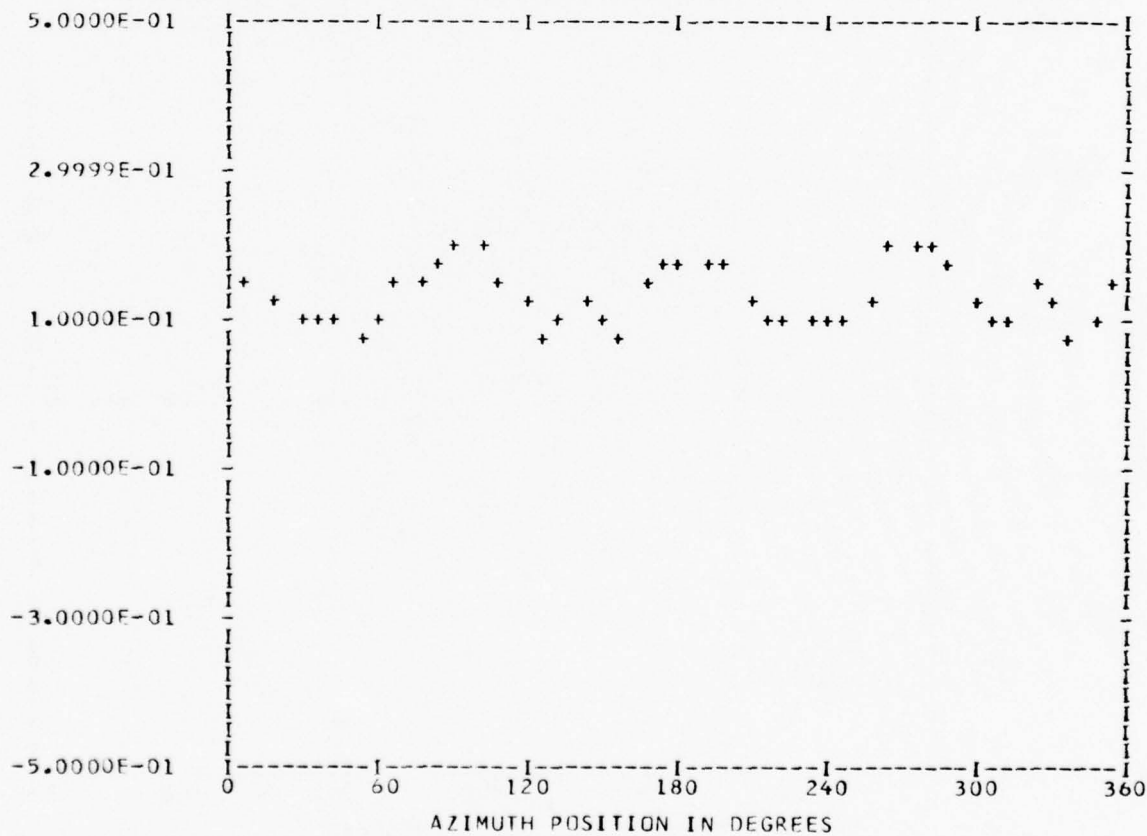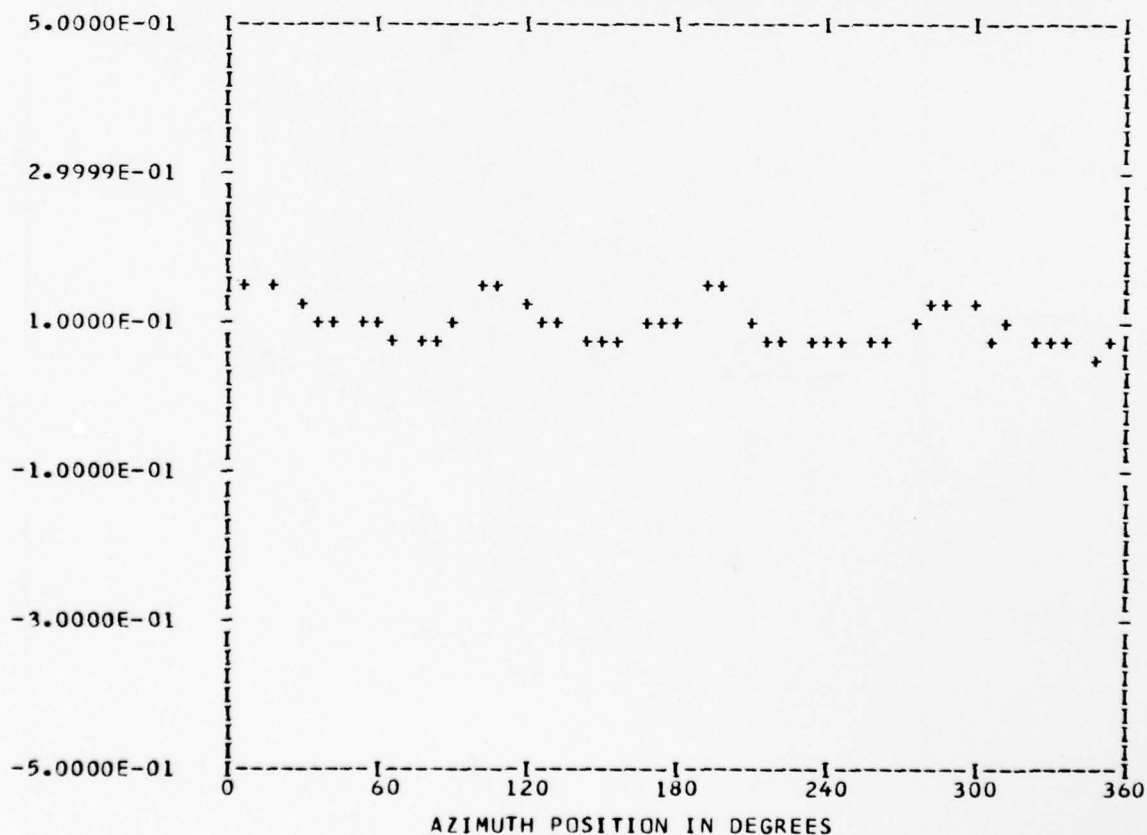*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   8
TP   14
CHAN   61

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.93517E-01	1	0.81303E-02	-0.13061E-01	0.15385E-01	148.0
	2	0.68577E-02	-0.78760E-02	0.10443E-01	138.9
	3	-0.36486E-02	-0.20134E-02	0.41673E-02	241.1
	4	-0.83150E-02	0.13422E-01	0.15789E-01	328.2
	5	0.39903E-02	-0.62855E-02	0.74452E-02	147.5
	6	-0.84745E-02	-0.47725E-02	0.97259E-02	240.6
	7	0.50252E-02	-0.24230E-02	0.55789E-02	115.7
	8	0.21263E-01	-0.90771E-02	0.23120E-01	113.1
	9	0.34860E-02	-0.76746E-02	0.84292E-02	155.5
	10	-0.98260E-02	0.43301E-02	0.10737E-01	293.7

MAX= 0.16598E 00   MIN= 0.19704E-01   PEAK TO PEAK/2= 0.73138E-01

AZIMUTH POSITION IN DEGREES

78

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   8
TP   14
CHAN   48

HARMONIC ANALYSIS SKIPPED

MAX= 0.37380E 00   MIN= 0.37380E 00   PEAK TO PEAK/2= 0.00000E 00

AZIMUTH POSITION IN DEGREES

79

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   8
ENTERED   44   TP   14
OUT OF RANGE   0   CHAN   57
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.34488E 00	1	-0.65575E-02	0.20785E-02	0.68790E-02	287.5
	2	0.64212E-03	0.55561E-02	0.55930E-02	6.5
	3	-0.16286E-02	-0.34341E-02	0.38007E-02	205.3
	4	0.14262E-02	0.23123E-01	0.23167E-01	3.5
	5	0.33994E-02	-0.80976E-03	0.34945E-02	103.3
	6	0.50773E-03	-0.12104E-01	0.12115E-01	177.5
	7	0.33593E-02	0.47826E-02	0.58446E-02	35.0
	8	0.11738E-01	-0.21792E-01	0.24752E-01	151.6
	9	-0.34836E-02	0.19709E-02	0.40025E-02	299.4
	10	0.42734E-02	0.20247E-03	0.42782E-02	87.2

MAX=-0.26584E 00   MIN=-0.40583E 00   PEAK TC PEAK/2= 0.69996E-01

AZIMUTH POSITION IN DEGREES

80

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                          *** PS117.2   WAVEFORM ***
                          ***       CYCLE   0       ***
*** DATA ANALYSIS ***                                                    RUN      8
ENTERED              44                                                  TP      14
OUT OF RANGE         44                                                  CHAN    53
BANDEDGE             43              HARMONIC ANALYSIS SKIPPED
```
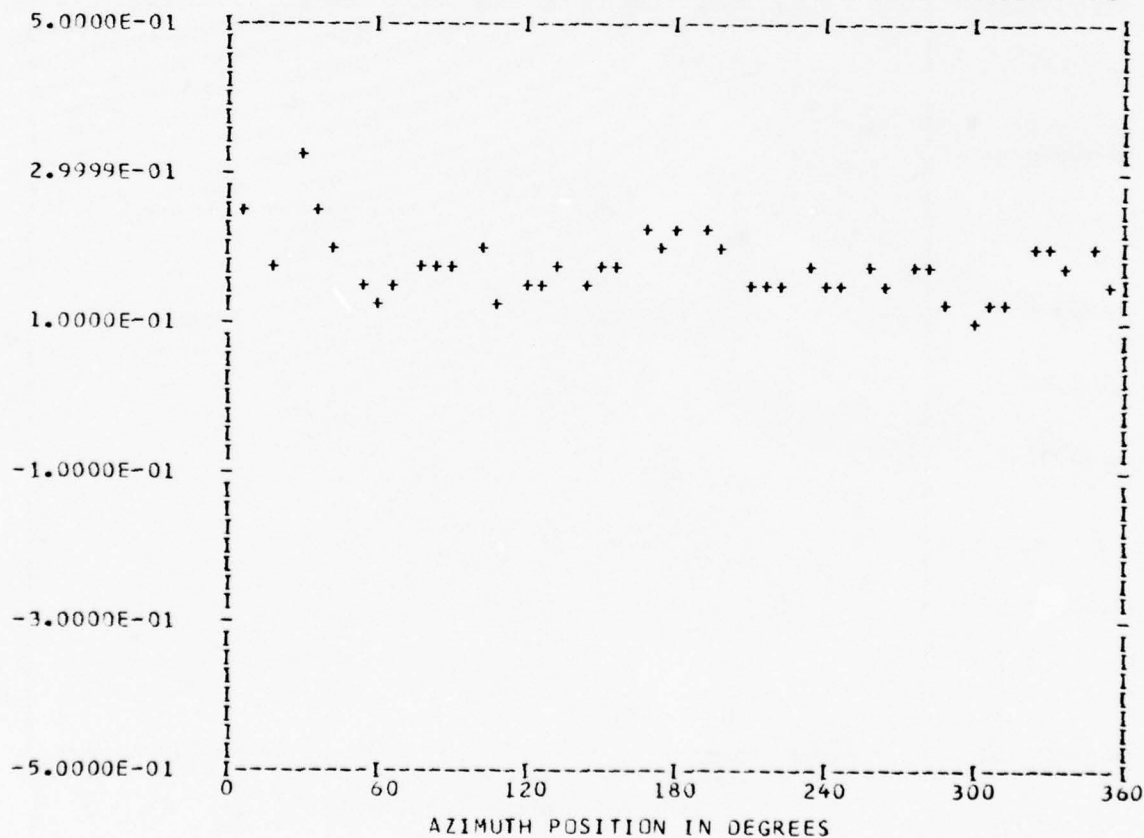
```
          MAX=-0.54979E 00   MIN=-0.69594E 00   PEAK TO PEAK/2= 0.73071E-01

 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
                          AZIMUTH POSITION IN DEGREES
```

```
      BBBB    A     N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
      B    B   A A   NN  N  D   D  E      D   D  G       E
      BBBB    A   A  N N N  D   D  EEEE   D   D  G  GG   EEEE
      B    B  AAAAA  N  NN  D   D  E      D   D  G   G   E
      BBBB    A   A  N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```

81

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
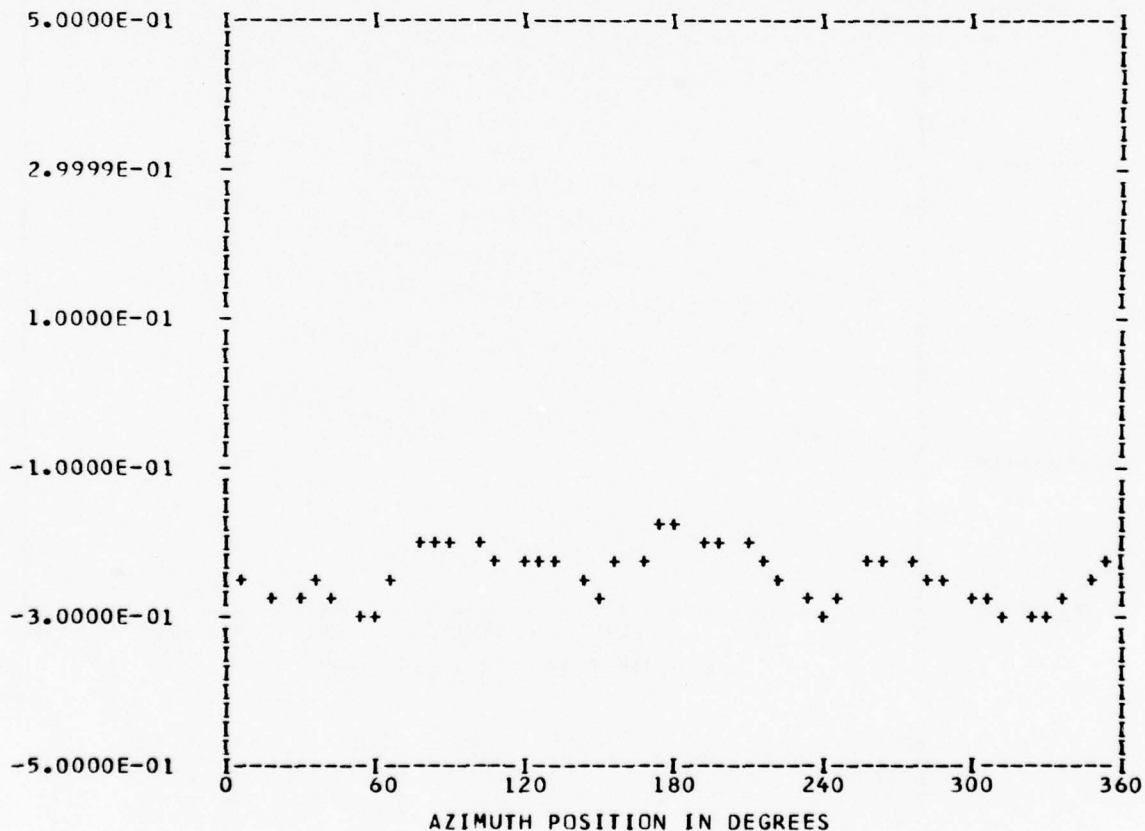
*** PS081.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   9
TP   4
CHAN 54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.73999E-02	1	-0.39812E-02	-0.27676E-02	0.48487E-02	235.1
	2	0.34590E-02	-0.25658E-02	0.43068E-02	126.5
	3	0.95211E-03	-0.13826E-03	0.96210E-03	98.2
	4	0.13684E-01	-0.19740E-01	0.24020E-01	145.2
	5	0.20094E-02	0.24921E-02	0.32012E-02	38.8
	6	-0.30512E-03	0.22014E-03	0.37625E-03	305.8
	7	0.29222E-02	0.64803E-03	0.29932E-02	77.4
	8	0.84159E-02	-0.55922E-02	0.10104E-01	123.6
	9	0.17160E-03	-0.38259E-02	0.38298E-02	177.4
	10	-0.17988E-03	0.25022E-03	0.30817E-03	324.2

MAX= 0.48247E-01 MIN=-0.26187E-01 PEAK TO PEAK/2= 0.37217E-01

AZIMUTH POSITION IN DEGREES

82

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO81.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   1

RUN   9
TP   4
CHAN   59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.12909E 00	1	-0.91861E-02	-0.22375E-02	0.94547E-02	256.3
	2	-0.66767E-03	-0.60518E-02	0.60886E-02	186.2
	3	-0.13017E-01	0.47991E-02	0.13873E-01	290.2
	4	0.34754E-01	-0.13015E-01	0.37111E-01	110.5
	5	-0.38575E-02	-0.80773E-02	0.89512E-02	205.5
	6	-0.16187E-01	0.85408E-02	0.18302E-01	297.8
	7	-0.10359E-01	-0.37160E-02	0.11006E-01	250.2
	8	0.10775E-01	-0.38861E-02	0.11455E-01	109.8
	9	-0.95564E-02	0.76984E-02	0.12271E-01	308.8
	10	0.29397E-03	-0.50680E-02	0.50766E-02	176.6

MAX= 0.19815E 00   MIN= 0.35641E-01   PEAK TO PEAK/2= 0.81254E-01

AZIMUTH POSITION IN DEGREES

BBBB   A   N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE
B   B   A A   NN N   D   D E   D   D   G   E
BBBB   A   A N N N   D   D EEEE   D   D   G GGG   EEEE
B   B   AAAAA   N NN   D   D E   D   D   G   G   E
BBBB   A   A N   N   DDDD   EEEEE   DDDD   GGGG   EEEEE

83

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

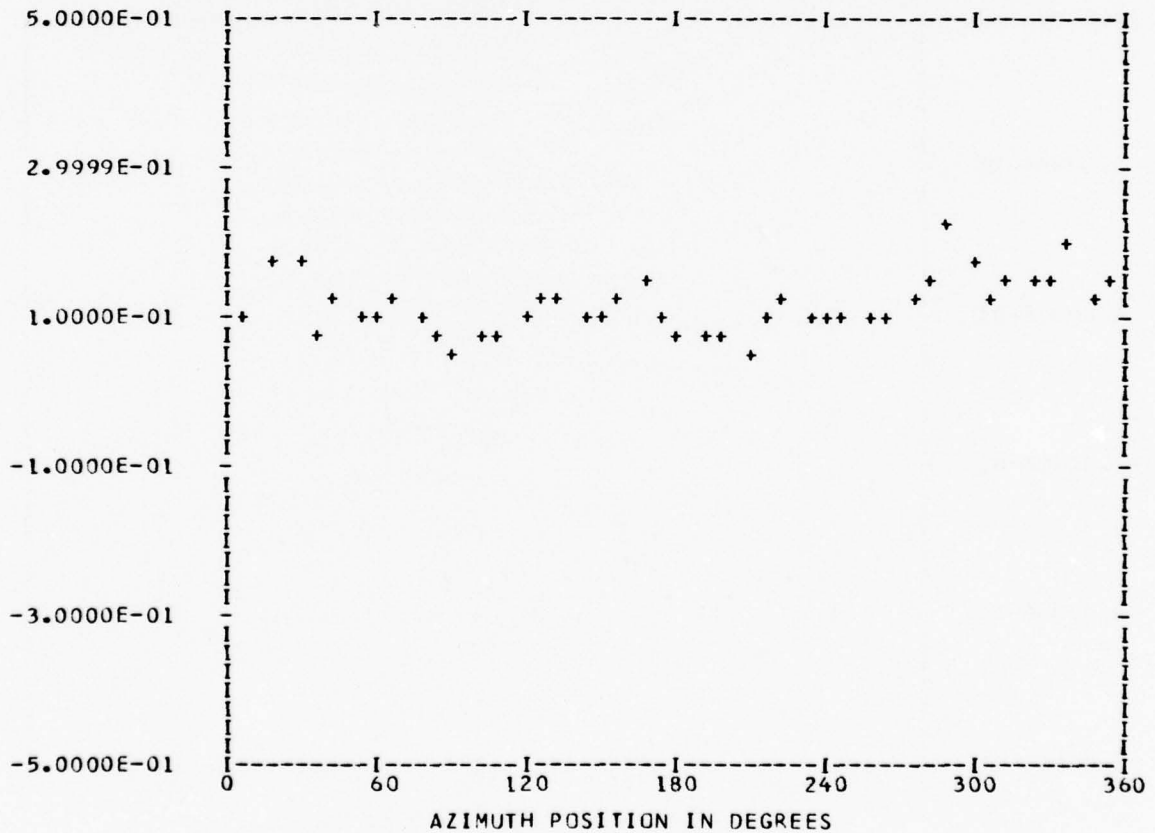*** PS081.3 WAVEFORM ***
*** CYCLE 0 ***

```
*** DATA ANALYSIS ***                                        RUN    9
ENTERED          44                                          TP     4
OUT OF RANGE      0                                          CHAN  49
BANDEDGE          0
```

```
   STEADY      HARM    COS COEFF        SIN COEFF           RES         PHASE
0.89048E-01     1     0.38357E-02     0.22951E-02       0.44700E-02      59.1
                2    -0.26352E-02     0.68759E-02       0.73636E-02     339.0
                3    -0.62051E-03    -0.14901E-02       0.16141E-02     202.6
                4     0.18819E-01     0.14831E-01       0.23961E-01      51.7
                5    -0.78776E-03     0.10543E-02       0.13161E-02     323.2
                6     0.56732E-02     0.93516E-03       0.57497E-02      80.6
                7    -0.27452E-02     0.30689E-02       0.41175E-02     318.1
                8     0.10353E-01     0.30076E-02       0.10781E-01      73.8
                9     0.71004E-03    -0.19979E-03       0.73761E-03     105.7
               10     0.36504E-02     0.42086E-04       0.36507E-02      89.3
```

MAX= 0.13397E 00   MIN= 0.44899E-01   PEAK TO PEAK/2= 0.44537E-01
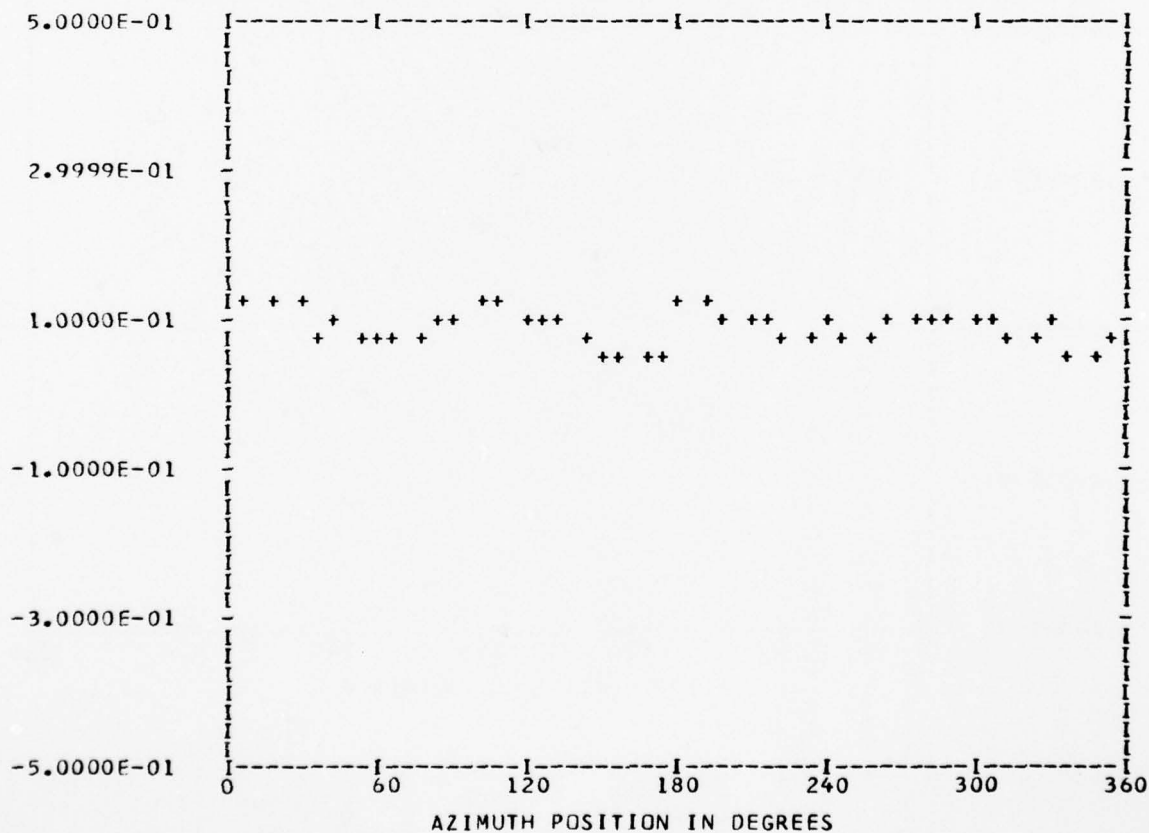
AZIMUTH POSITION IN DEGREES

84

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS089.1   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   9
ENTERED   43   TP   4
OUT OF RANGE   0   CHAN 45
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.53701E-01	1	0.18240E-04	0.40345E-02	0.40345E-02	0.2
	2	0.85377E-02	0.64326E-03	0.85619E-02	85.6
	3	-0.51124E-02	0.30576E-02	0.59570E-02	300.8
	4	0.35381E-01	0.91501E-02	0.36545E-01	75.5
	5	0.99168E-03	0.42730E-02	0.43866E-02	13.0
	6	-0.60783E-02	0.57607E-02	0.83745E-02	313.4
	7	-0.19282E-02	0.46127E-02	0.49995E-02	337.3
	8	0.12363E-01	0.43013E-02	0.13090E-01	70.8
	9	-0.10808E-02	0.52163E-02	0.53271E-02	348.2
	10	-0.89532E-03	-0.27104E-02	0.28545E-02	198.2

MAX= 0.12494E 00   MIN= 0.11100E-01   PEAK TO PEAK/2= 0.56922E-01
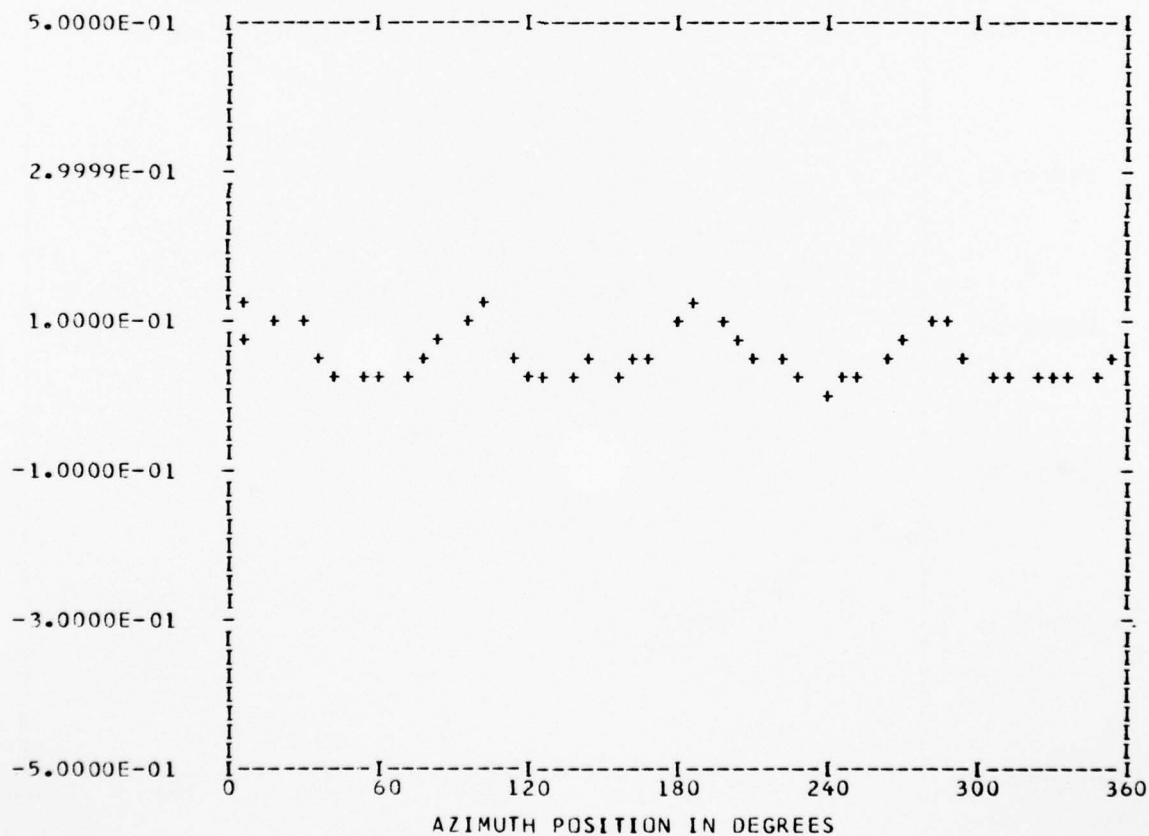
AZIMUTH POSITION IN DEGREES

85

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.1   WAVEFORM ***
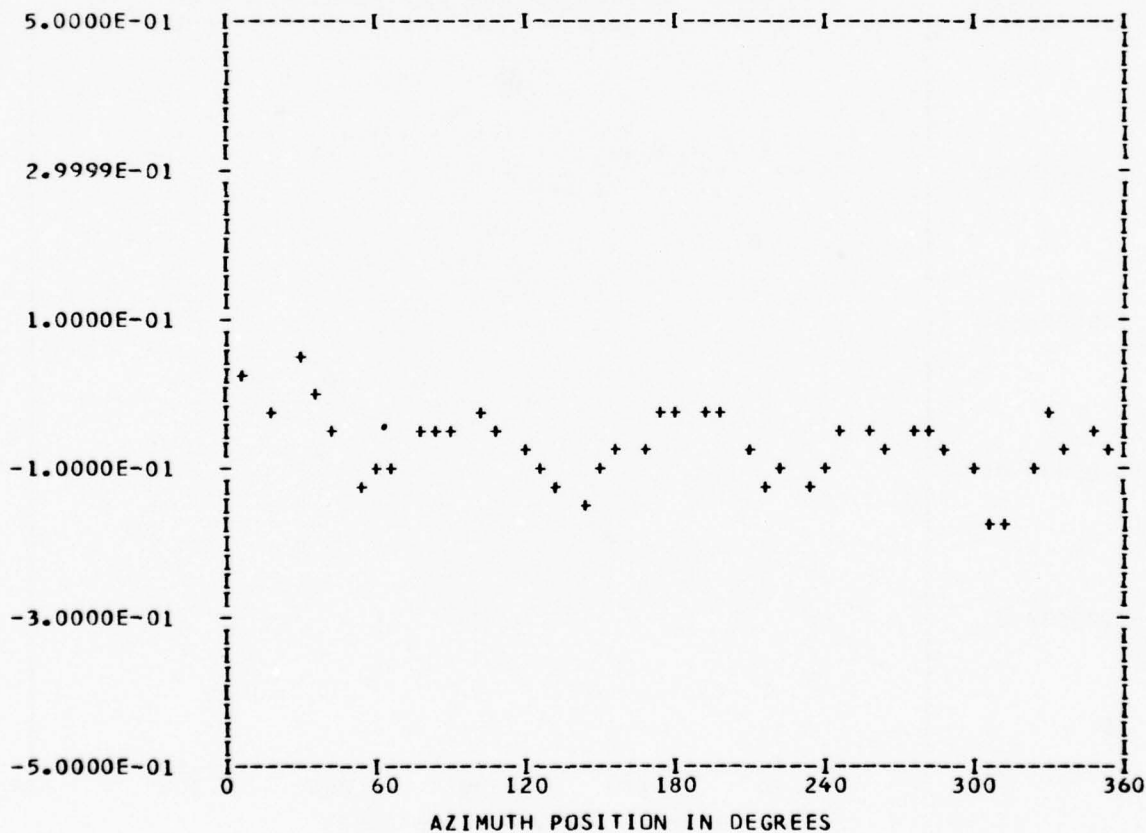***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   9
TP   4
CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18923E 00	1	0.24243E-02	-0.42695E-02	0.49098E-02	150.4
	2	-0.63469E-03	-0.15361E-03	0.65301E-03	256.3
	3	0.54545E-02	0.80100E-02	0.96909E-02	34.2
	4	0.19774E-01	-0.13057E-01	0.23696E-01	123.4
	5	0.66629E-02	0.24358E-02	0.70942E-02	69.9
	6	0.31837E-02	0.11914E-02	0.33993E-02	69.4
	7	-0.82351E-03	-0.45031E-03	0.93859E-03	241.3
	8	-0.45621E-02	-0.68690E-02	0.82460E-02	213.5
	9	0.32495E-02	0.35418E-02	0.48066E-02	42.5
	10	-0.67833E-03	0.25041E-02	0.25944E-02	344.8

MAX= 0.24209E 00   MIN= 0.14752E 00   PEAK TO PEAK/2= 0.47285E-01

AZIMUTH POSITION IN DEGREES

86

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.2 WAVEFORM ***
*** CYCLE   0   ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.16823E 00	1	-0.10940E-01	0.10688E-01	0.15295E-01	314.3
	2	-0.77977E-02	0.16949E-02	0.79798E-02	282.2
	3	-0.25337E-02	-0.16276E-01	0.16472E-01	188.8
	4	0.20924E-01	0.49155E-02	0.21494E-01	76.7
	5	0.53857E-03	-0.17828E-01	0.17836E-01	178.2
	6	0.24917E-02	-0.53779E-02	0.59271E-02	155.1
	7	-0.61742E-02	0.10504E-01	0.12184E-01	329.5
	8	0.12302E-01	-0.10491E-01	0.16168E-01	130.4
	9	0.40418E-03	-0.44748E-02	0.44930E-02	174.8
	10	0.67143E-03	-0.32683E-02	0.33366E-02	168.3

MAX= 0.23127E 00   MIN= 0.10844E 00   PEAK TO PEAK/2= 0.61414E-01

AZIMUTH POSITION IN DEGREES

87

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS099.3  WAVEFORM ***
                        ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                              RUN    9
ENTERED              44                                            TP     4
OUT OF RANGE         44                                            CHAN  51
BANDEDGE             28              HARMONIC ANALYSIS SKIPPED
```
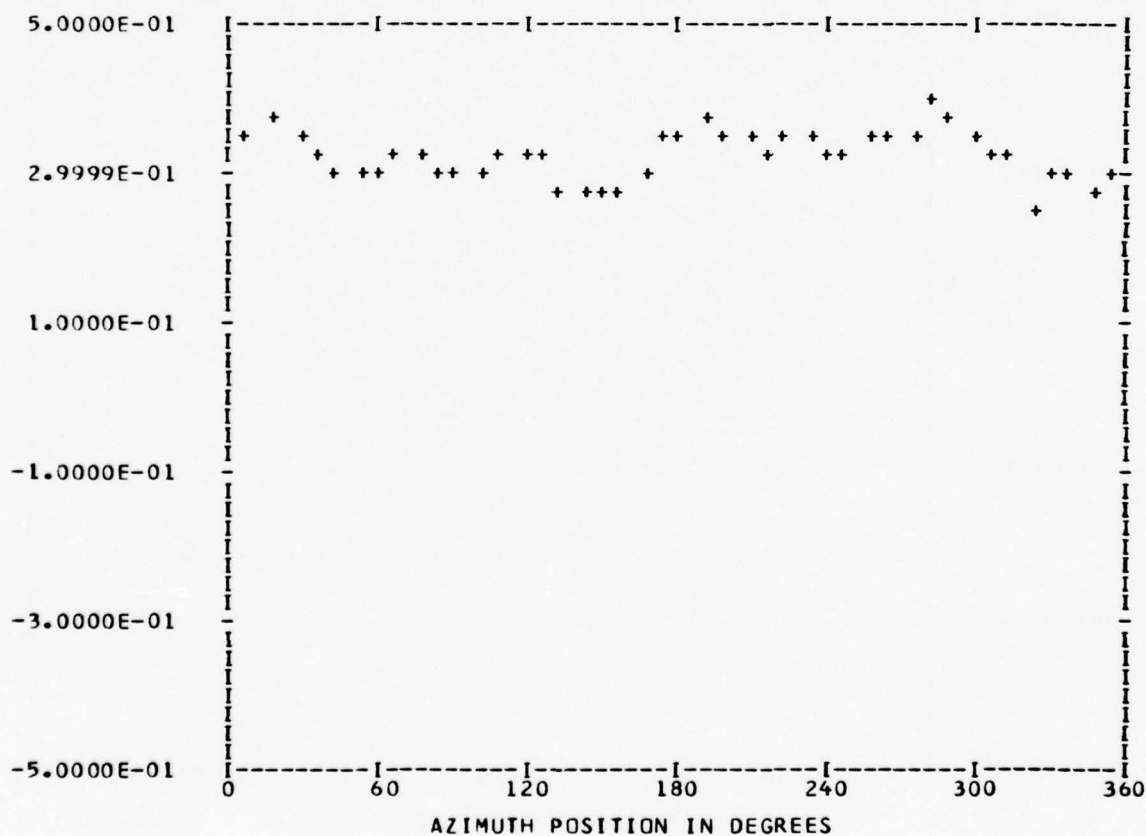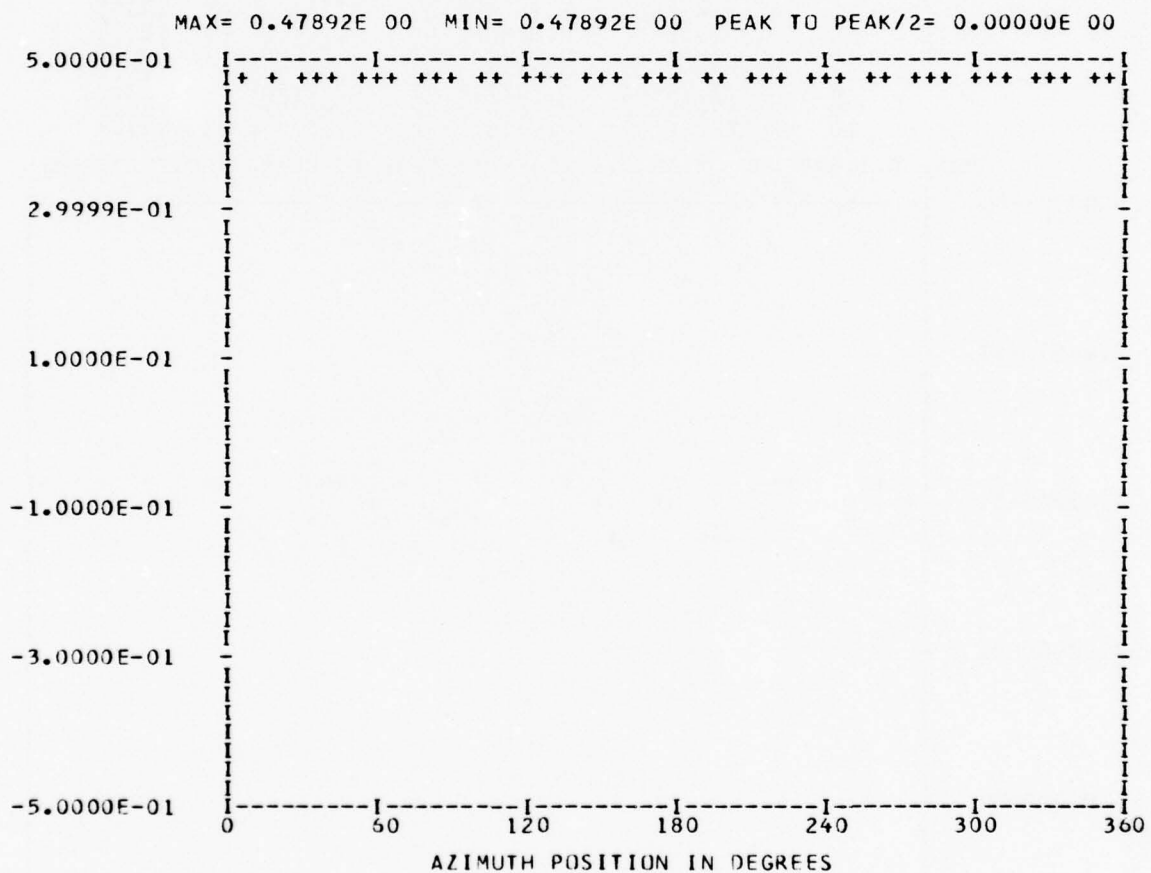
```
       MAX=-0.56989E 00   MIN=-0.78024E 00   PEAK TO PEAK/2= 0.10517E 00
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
                        AZIMUTH POSITION IN DEGREES
```

```
    BBBB     A      N   N   DDDD   EEEEE   DDDD     GGGG   EEEEE
    B   B    A A    NN  N   D   D  E       D   D   G       E
    BBBB    A   A   N N N   D   D  EEEE    D   D   G  GGG  EEEE
    B   B   AAAAA   N  NN   D   D  E       D   D   G    G  E
    BBBB    A   A   N   N   DDDD   EEEEE   DDDD     GGGG   EEEEE
```

88
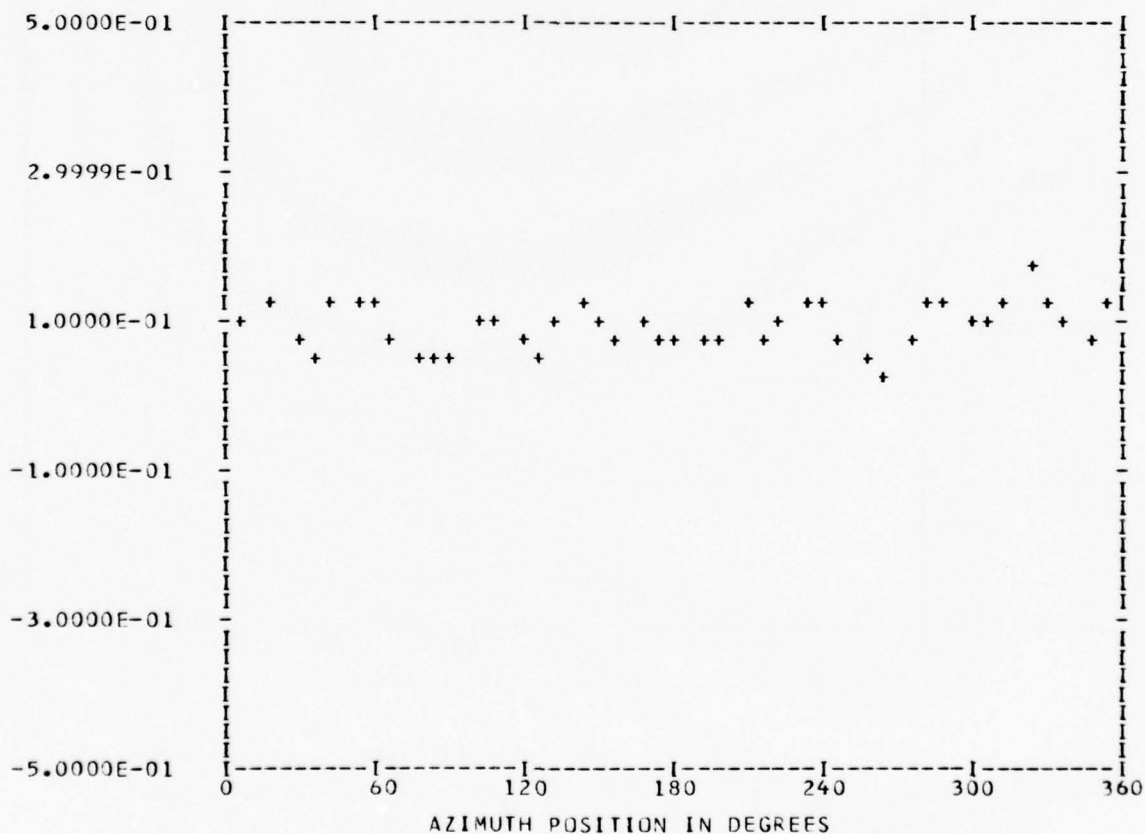
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.1   WAVEFORM ***
                    ***     CYCLE    0       ***
*** DATA ANALYSIS ***                                     RUN     9
ENTERED              44                                   TP      4
OUT OF RANGE          0                                   CHAN   55
BANDEDGE              0

   STEADY      HARM    COS COEFF        SIN COEFF          RES         PHASE
 -0.26411E 00    1   -0.30073E-01     0.28800E-01      0.41640E-01     313.7
                 2    0.36620E-02     0.70045E-02      0.79040E-02      27.6
                 3   -0.73412E-02     0.64767E-03      0.73698E-02     275.0
                 4    0.57897E-02    -0.11972E-01      0.13298E-01     154.1
                 5   -0.52709E-02    -0.32222E-02      0.61778E-02     238.5
                 6    0.27465E-03     0.69046E-03      0.74308E-03      21.6
                 7    0.13732E-01     0.12386E-02      0.13787E-01      84.8
                 8    0.14646E-02    -0.16367E-02      0.21964E-02     138.1
                 9    0.31929E-02     0.32277E-03      0.32091E-02      84.2
                10   -0.25797E-02    -0.35571E-02      0.43941E-02     215.9
```

MAX=-0.19706E 00   MIN=-0.34603E 00   PEAK TO PEAK/2= 0.74485E-01

AZIMUTH POSITION IN DEGREES

89

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***						RUN	9
ENTERED	44					TP	4
OUT OF RANGE	0					CHAN	60
BANDEDGE	0						

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.11324E 00	1	0.85690E-02	-0.15392E-01	0.17617E-01	150.8
	2	-0.26468E-02	0.37400E-02	0.45818E-02	324.7
	3	-0.10680E-02	0.60984E-02	0.61912E-02	350.0
	4	0.12149E-01	0.87320E-02	0.14961E-01	54.2
	5	0.11854E-01	0.95995E-02	0.15254E-01	51.0
	6	-0.87883E-02	0.11321E-01	0.14331E-01	322.1
	7	-0.69061E-02	0.15198E-01	0.70713E-02	282.4
	8	-0.32760E-02	-0.10580E-02	0.34426E-02	252.1
	9	-0.37998E-03	-0.29128E-02	0.29375E-02	187.4
	10	0.28836E-02	-0.29391E-02	0.41175E-02	135.5

MAX= 0.20299E 00   MIN= 0.36884E-01   PEAK TO PEAK/2= 0.83057E-01
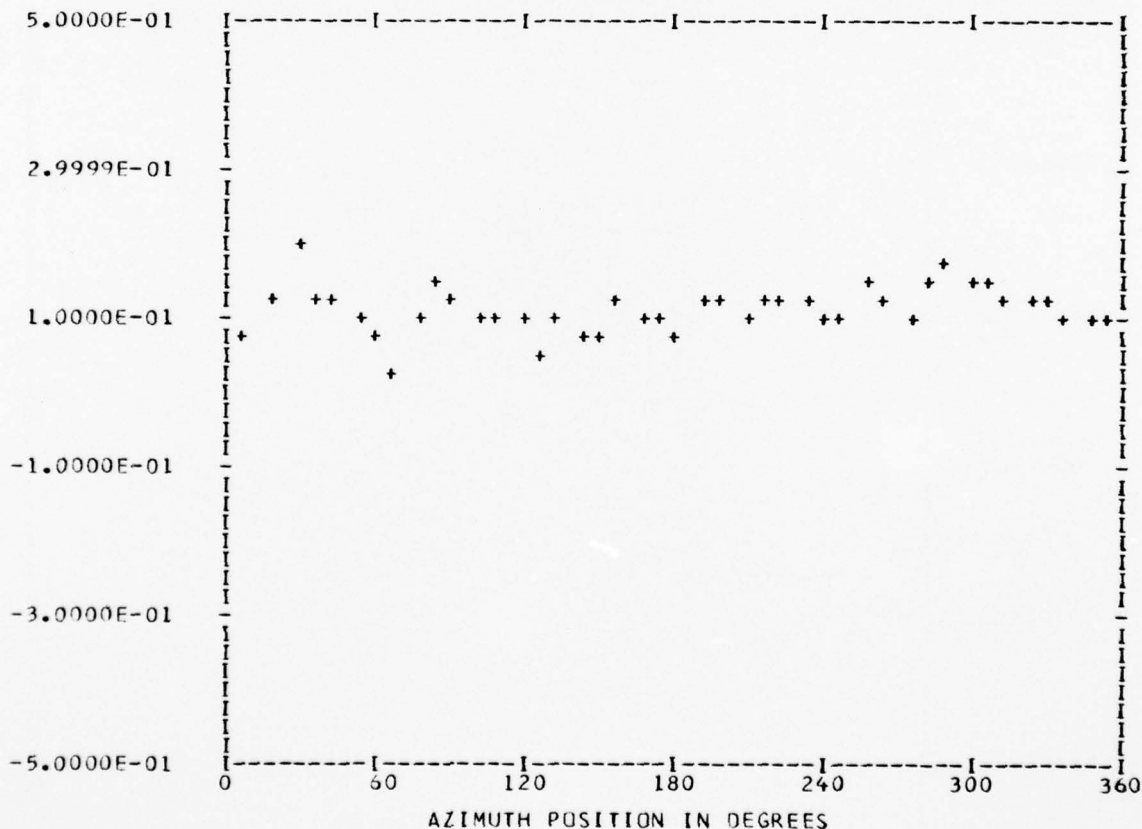
AZIMUTH POSITION IN DEGREES

90

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

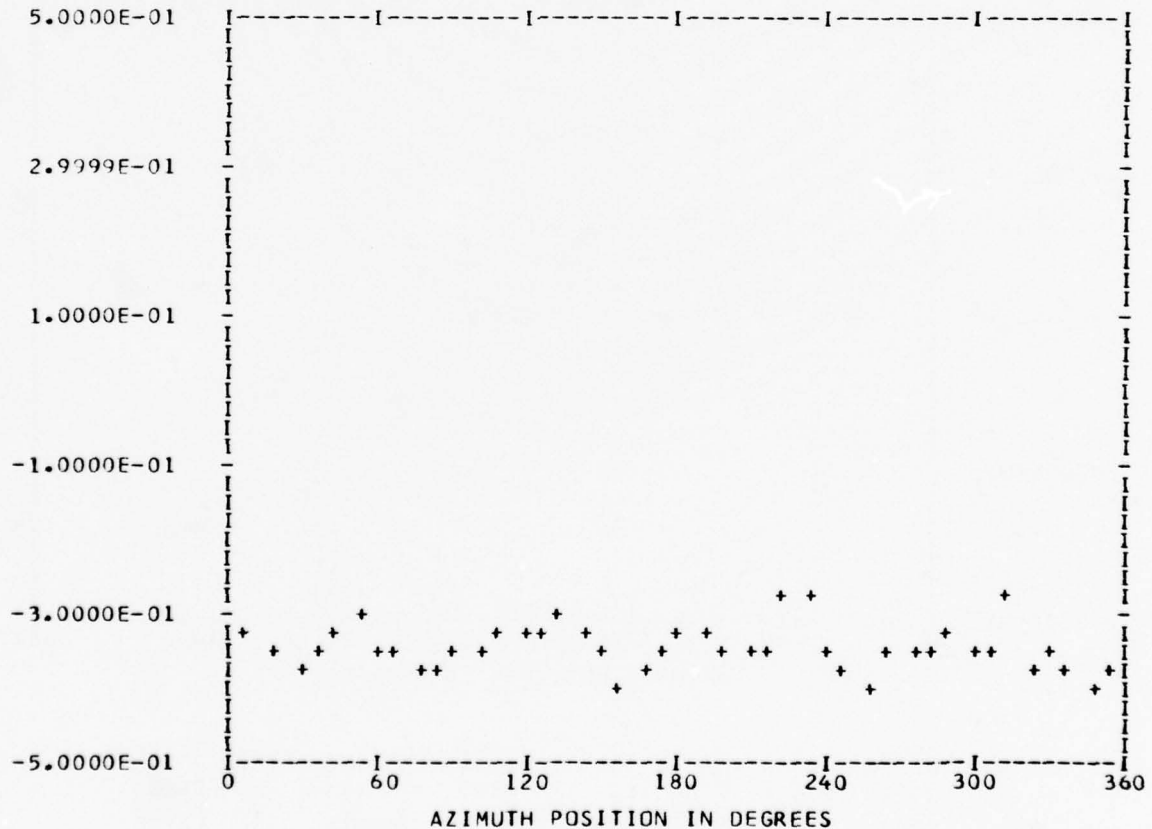*** PS107.3 WAVEFORM ***
*** CYCLE 0   ***

*** DATA ANALYSIS ***   RUN   9
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   58
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.20666E 00	1	-0.12320E-01	-0.12169E-01	0.17317E-01	225.3
	2	-0.40737E-02	0.56330E-02	0.69517E-02	324.1
	3	-0.51120E-03	-0.13084E-01	0.13094E-01	182.2
	4	0.34275E-01	0.45261E-02	0.34573E-01	82.4
	5	0.20621E-01	-0.93823E-02	0.22655E-01	114.4
	6	-0.13592E-02	0.22039E-01	0.22081E-01	356.4
	7	-0.54997E-02	-0.41264E-03	0.55151E-02	265.7
	8	-0.15344E-01	0.81260E-02	0.17363E-01	297.9
	9	-0.33514E-02	-0.16203E-02	0.37226E-02	244.1
	10	-0.13858E-01	-0.44724E-02	0.14562E-01	252.1

MAX=-0.94395E-01 MIN=-0.32622E 00 PEAK TO PEAK/2= 0.11591E 00
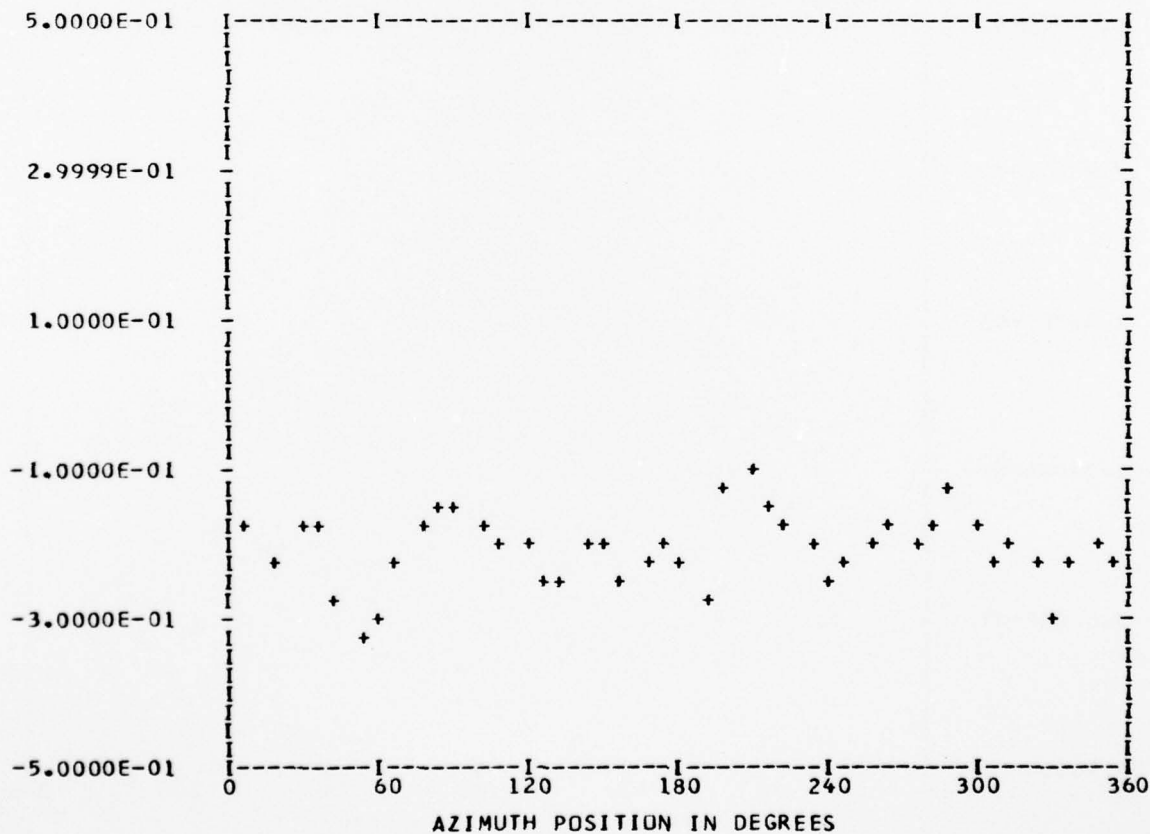
AZIMUTH POSITION IN DEGREES

91

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.4   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   9
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   52
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.19223E 00	1	-0.17994E-02	0.29472E-01	0.29527E-01	356.5
	2	-0.15119E-01	0.86865E-02	0.17437E-01	299.8
	3	-0.13052E-01	-0.71425E-02	0.14878E-01	241.3
	4	0.38874E-01	-0.32260E-01	0.50516E-01	129.6
	5	0.23028E-02	-0.12185E-01	0.12401E-01	169.2
	6	0.12550E-01	-0.88152E-02	0.15336E-01	125.0
	7	0.78785E-02	-0.39293E-02	0.88040E-02	116.5
	8	0.82938E-02	0.12934E-01	0.15365E-01	32.6
	9	0.95743E-02	0.62420E-02	0.11429E-01	56.8
	10	-0.88842E-02	0.89671E-03	0.89294E-02	275.7

MAX=-0.10909E 00   MIN=-0.29885E 00   PEAK TO PEAK/2= 0.94878E-01
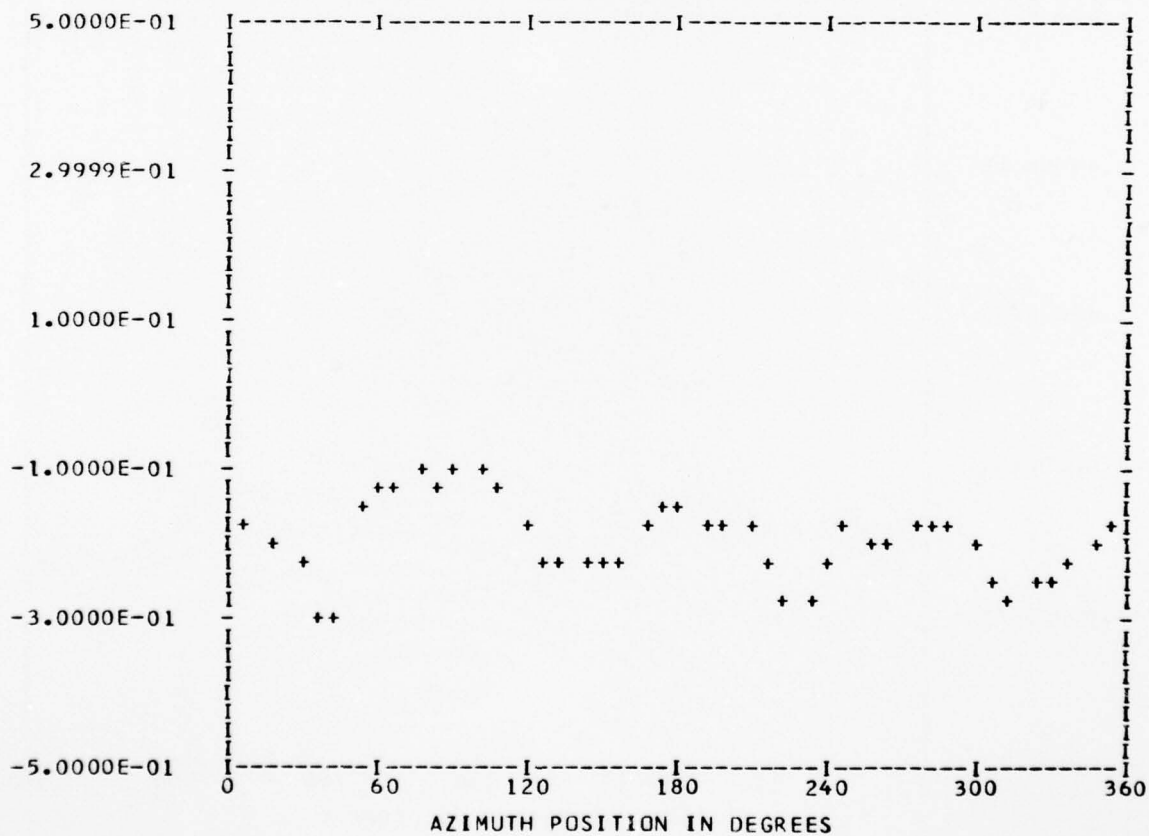
AZIMUTH POSITION IN DEGREES

92

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.5   WAVEFORM ***
*** CYCLE   0   ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.35172E 00	1	-0.42565E-02	-0.83350E-02	0.93590E-02	207.0
	2	-0.13119E-01	0.57309E-02	0.14316E-01	293.5
	3	-0.37981E-02	-0.19604E-01	0.19969E-01	190.9
	4	0.27399E-01	-0.55034E-02	0.27946E-01	101.3
	5	-0.14307E-02	-0.10382E-01	0.10481E-01	187.8
	6	-0.31747E-03	0.44745E-02	0.44858E-02	355.9
	7	0.11147E-01	0.81036E-02	0.13781E-01	53.9
	8	-0.26201E-02	0.40570E-02	0.48295E-02	327.1
	9	-0.25685E-02	0.78703E-02	0.82789E-02	341.9
	10	-0.57474E-02	-0.29861E-03	0.57551E-02	267.0

MAX= 0.41003E 00   MIN= 0.27281E 00   PEAK TO PEAK/2= 0.68610E-01

AZIMUTH POSITION IN DEGREES

93

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
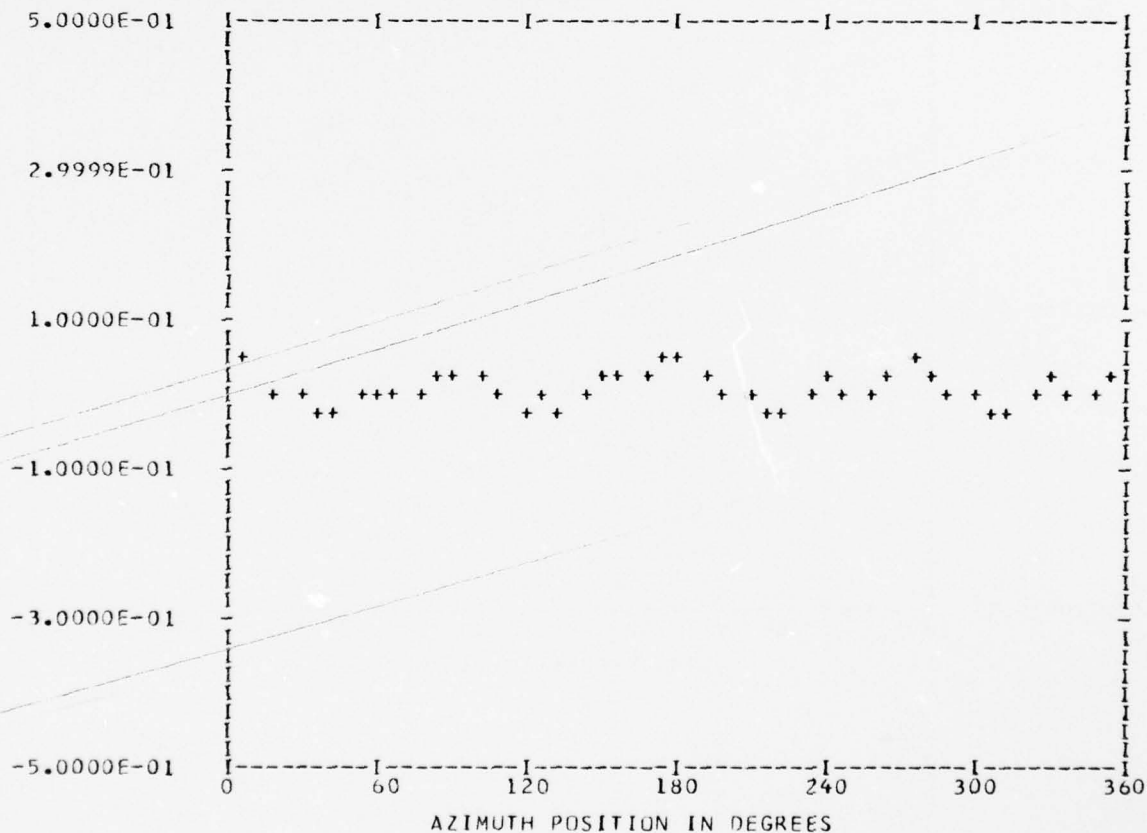
*** PS107.6 WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                                RUN      9
ENTERED              44                                               TP       4
OUT OF RANGE          0                                               CHAN    50
BANDEDGE             44
                              HARMONIC ANALYSIS SKIPPED
```

MAX= 0.47892E 00   MIN= 0.47892E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01  I--------I--------~I--------I--------I--------I--------I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
 2.9999E-01  -                                                          -
             I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
 1.0000E-01  -                                                          -
             I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
-1.0000E-01  --                                                         -
             I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
-3.0000E-01  -                                                          -
             I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
-5.0000E-01  I--------I--------I--------I--------I--------I--------I
             0       60       120      180      240      300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD      GGGG   EEEEE
B    B   A A     NN  N   D   D   E       D   D   G        E
BBBB     A   A   N N N   D   D   EEEE    D   D   G  GGG   EEEE
B    B   AAAAA   N  NN   D   D   E       D   D   G    G   E
BBBB     A   A   N   N   DDDD    EEEEE   DDDD      GGGG   EEEEE
```

94

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

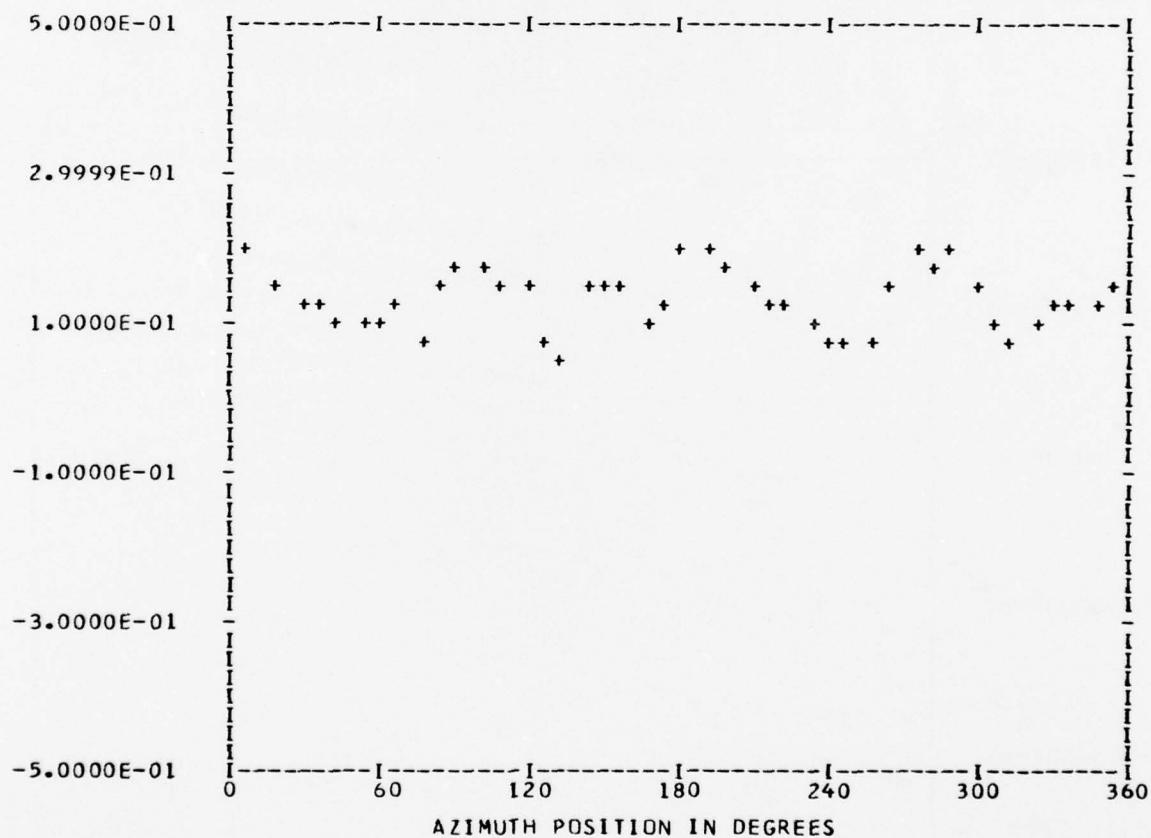*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   9
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   61
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.94177E-01	1	0.14972E-01	-0.13647E-01	0.20258E-01	132.3
	2	-0.24245E-02	-0.57175E-02	0.62103E-02	202.9
	3	-0.14415E-01	-0.16339E-03	0.14416E-01	269.3
	4	-0.13772E-01	0.15690E-01	0.20877E-01	318.7
	5	0.36370E-02	-0.43096E-02	0.56393E-02	139.8
	6	-0.11666E-01	0.34522E-02	0.12166E-01	286.4
	7	-0.24366E-02	0.57677E-02	0.62613E-02	337.0
	8	-0.72132E-03	0.33833E-02	0.34593E-02	347.9
	9	-0.16451E-02	0.35631E-02	0.39245E-02	335.2
	10	-0.83959E-02	0.81679E-04	0.83963E-02	270.5

MAX= 0.16280E 00   MIN= 0.33048E-01   PEAK TO PEAK/2= 0.64876E-01

AZIMUTH POSITION IN DEGREES

95

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   9
ENTERED   43   TP   4
OUT OF RANGE   0   CHAN   48
BANDEDGE   43   HARMONIC ANALYSIS SKIPPED

MAX= 0.37380E 00   MIN= 0.37380E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01  I---------I---------I---------I---------I---------I---------I
             I                                                             I
             I                                                             I
             I+  +  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++I
 2.9999E-01  -                                                             -
             I                                                             I
             I                                                             I
 1.0000E-01  -                                                             -
             I                                                             I
             I                                                             I
-1.0000E-01  -                                                             -
             I                                                             I
             I                                                             I
-3.0000E-01  -                                                             -
             I                                                             I
             I                                                             I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A     N   N  DDDD    EEEEE   DDDD     GGGG   EEEEE
B   B    A A    NN  N  D   D   E       D   D   G       E
BBBB     A  A   N N N  D   D   EEEE    D   D   G GGG   EEEE
B   B   AAAAA   N  NN  D   D   E       D   D   G   G   E
BBBB     A   A  N   N  DDDD    EEEEE   DDDD     GGGG   EEEEE
```

96

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
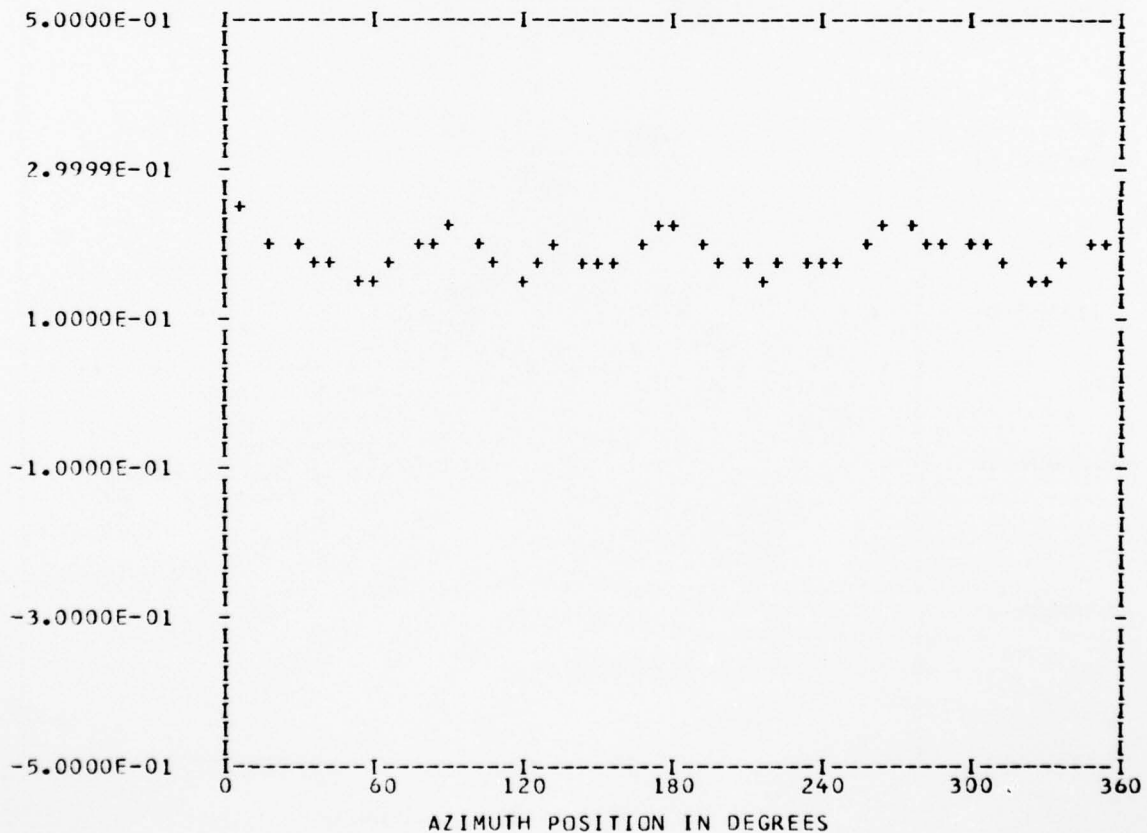
*** PS117.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   9
OUT OF RANGE   0   TP   4
BANDEDGE   0   CHAN   57

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.26006E 00	1	0.43259E-03	-0.11355E-01	0.11363E-01	177.8
	2	-0.19556E-02	-0.16300E-02	0.25458E-02	230.1
	3	-0.42163E-04	-0.12100E-01	0.12100E-01	180.1
	4	0.10828E-01	0.40356E-01	0.41784E-01	15.0
	5	0.13178E-01	0.14655E-01	0.19709E-01	41.9
	6	0.42700E-03	0.28018E-02	0.28341E-02	8.6
	7	0.22486E-03	0.53366E-02	0.53413E-02	2.4
	8	0.10963F-01	-0.15401E-01	0.18905E-01	144.5
	9	-0.18390E-02	-0.11725E-02	0.21810E-02	237.4
	10	-0.451C6E-02	-0.65275E-03	0.45576E-02	261.7

MAX=-0.17483E 00   MIN=-0.34926E 00   PEAK TO PEAK/2= 0.87214E-01
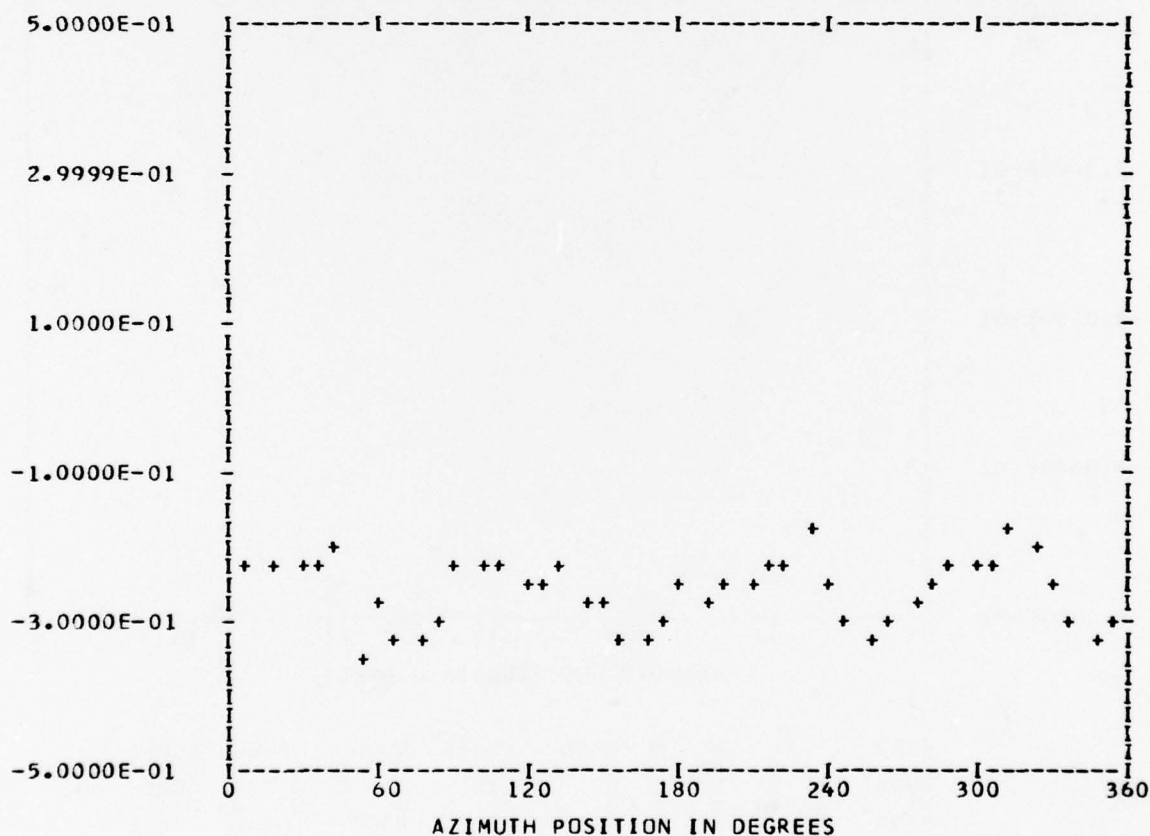
AZIMUTH POSITION IN DEGREES

97

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
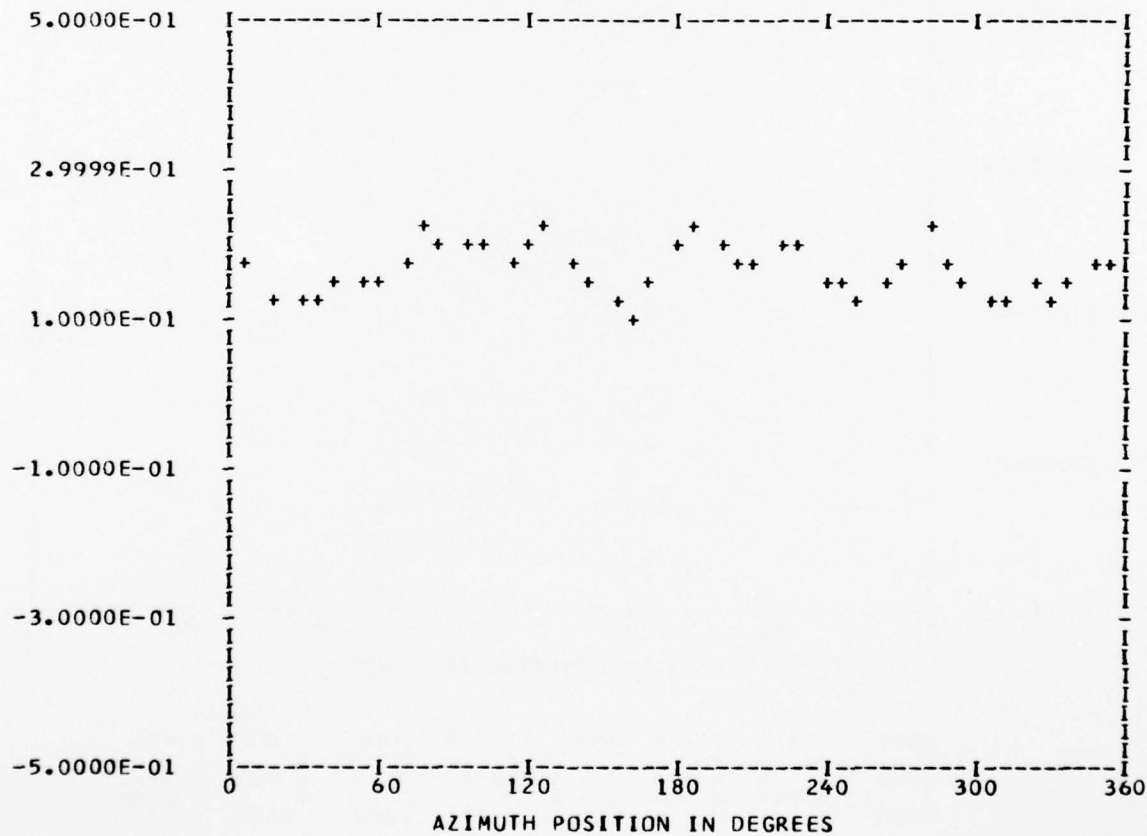
*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   20

RUN   9
TP   4
CHAN 53

HARMONIC ANALYSIS SKIPPED

MAX=-0.54979E 00   MIN=-0.69594E 00   PEAK TO PEAK/2= 0.73071E-01

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD        GGGG   EEEEE
B    B   A A    NN   N   D    D  E       D    D    G        E
BBBB    A   A   N N  N   D    D  EEEE    D    D    G  GGG   EEEE
B    B  AAAAA   N  NN N  D    D  E       D    D    G    G   E
BBBB    A    A  N   N    DDDD    EEEEE   DDDD        GGGG   EEEEE
```

98

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   10
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   59
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.45249E-01	1	-0.25060E-04	0.10968E-04	0.27355E-04	293.6
	2	-0.22976E-04	-0.90436E-05	0.24692E-04	248.5
	3	0.74536E-04	0.10769E-05	0.74543E-04	89.1
	4	0.31266E-06	-0.14109E-04	0.14112E-04	178.7
	5	0.14254E-04	-0.36447E-04	0.39135E-04	158.6
	6	-0.43683E-04	-0.88502E-05	0.44571E-04	258.5
	7	-0.45291E-04	-0.17272E-04	0.48473E-04	249.1
	8	0.39869E-04	-0.21599E-05	0.39927E-04	93.1
	9	0.68192E-05	0.36083E-04	0.36722E-04	10.7
	10	0.40346E-04	-0.48445E-05	0.40636E-04	96.8

MAX=-0.44953E-01   MIN=-0.45880E-01   PEAK TO PEAK/2= 0.46380E-03

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
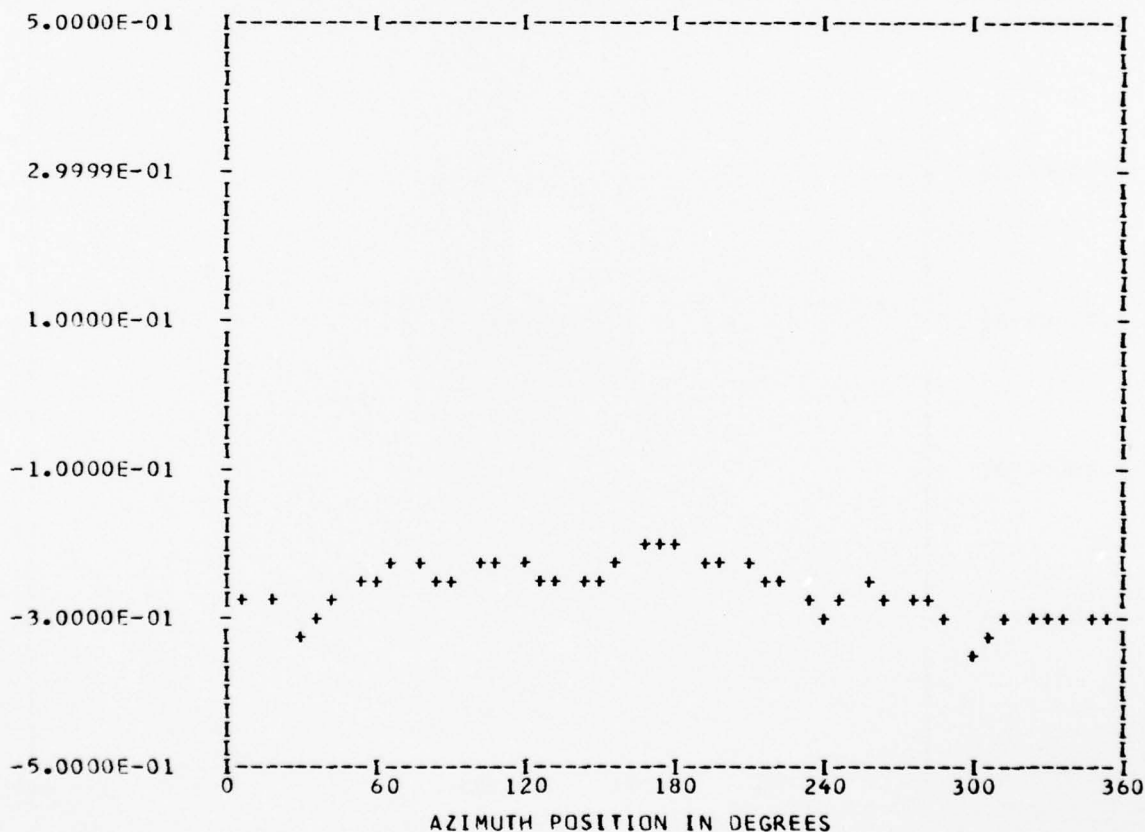
*** PS081.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   10
TP   3
CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.13645E 00	1	-0.43629E-02	-0.10967E-02	0.44987E-02	255.8
	2	0.33057E-02	-0.22364E-02	0.39911E-02	124.0
	3	-0.15750E-02	0.29775E-02	0.33684E-02	332.1
	4	0.89439E-02	-0.95789E-02	0.13105E-01	136.9
	5	0.16339E-03	0.12183E-02	0.12292E-02	7.6
	6	-0.10265E-02	0.23852E-04	0.10267E-02	271.3
	7	0.72259E-03	0.22277E-03	0.75615E-03	72.8
	8	0.12642E-02	-0.40597E-02	0.42520E-02	162.7
	9	-0.60288E-03	-0.78439E-04	0.60796E-03	262.5
	10	0.31415E-03	-0.28252E-03	0.42250E-03	131.9

MAX=-0.10678E 00   MIN=-0.14991E 00   PEAK TO PEAK/2= 0.21566E-01

AZIMUTH POSITION IN DEGREES

100

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PSO81.3  WAVEFORM ***
                        ***     CYCLE   0     ***
 *** DATA ANALYSIS ***                                          RUN    10
 ENTERED              44                                        TP      3
 OUT OF RANGE          0                                        CHAN   49
 BANDEDGE             0

     STEADY      HARM    COS COEFF        SIN COEFF           RES         PHASE
   0.26719E 00    1    -0.21233E-02      0.20959E-02       0.29835E-02    314.6
                  2    -0.64092E-03      0.39412E-03       0.75240E-03    301.5
                  3    -0.74135E-03     -0.34057E-02       0.34854E-02    192.2
                  4     0.13464E-01      0.59531E-02       0.14722E-01     66.1
                  5    -0.10654E-02     -0.10113E-02       0.14690E-02    226.4
                  6     0.68498E-03      0.18188E-03       0.70872E-03     75.1
                  7     0.61519E-03      0.94515E-04       0.62241E-03     81.2
                  8     0.28301E-02      0.38039E-02       0.47412E-02     36.6
                  9    -0.33533E-03     -0.38828E-03       0.51304E-03    220.8
                 10    -0.37992E-03      0.25281E-03       0.45635E-03    303.6
```

MAX= 0.29485E 00   MIN= 0.25386E 00   PEAK TO PEAK/2= 0.20496E-01

AZIMUTH POSITION IN DEGREES

101

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS089.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***		RUN	10
ENTERED	44	TP	3
OUT OF RANGE	0	CHAN	45
BANDEDGE	0		

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.21068E-01	1	-0.17144E-02	-0.13676E-02	0.21931E-02	231.4
	2	0.11498E-02	-0.34329E-03	0.11999E-02	106.6
	3	-0.22967E-02	0.26281E-03	0.23117E-02	276.5
	4	0.24201E-01	-0.37218E-03	0.24204E-01	90.8
	5	-0.14289E-02	-0.13929E-02	0.19955E-02	225.7
	6	0.10625E-02	-0.16872E-03	0.10758E-02	99.0
	7	-0.91481E-03	0.48962E-03	0.10376E-02	298.1
	8	0.11589E-01	-0.71716E-03	0.11612E-01	93.5
	9	-0.14929E-03	-0.70141E-03	0.71712E-03	192.0
	10	0.12321E-02	0.12577E-03	0.12385E-02	84.1

MAX= 0.70135E-01   MIN= 0.13875E-02   PEAK TO PEAK/2= 0.34373E-01

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   10
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   56
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.46164E-01	1	-0.53532E-02	0.27965E-02	0.60397E-02	297.5
	2	0.24381E-02	-0.37423E-03	0.24666E-02	98.7
	3	0.23850E-02	0.75049E-03	0.25003E-02	72.5
	4	0.13963E-01	-0.10497E-01	0.17469E-01	126.9
	5	-0.36229E-03	-0.24643E-05	0.36230E-03	269.6
	6	0.10922E-02	-0.52519E-03	0.12119E-02	115.6
	7	0.79511E-03	0.57191E-03	0.97943E-03	54.2
	8	0.29134E-02	-0.42141E-02	0.51232E-02	145.3
	9	-0.86052E-04	-0.31882E-03	0.33023E-03	195.1
	10	0.37653E-03	-0.71237E-03	0.80576E-03	152.1

MAX= 0.78602E-01 MIN= 0.23550E-01 PEAK TO PEAK/2= 0.27526E-01

AZIMUTH POSITION IN DEGREES

103

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.2 WAVEFORM ***
                            ***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   10
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   46
BANDEDGE   44   HARMONIC ANALYSIS SKIPPED

MAX=-0.19600E 00   MIN=-0.19600E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01  I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
 2.9999E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
 1.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           -
             I                                                           I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                           I
-3.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A     N   N  DDDD    EEEEE   DDDD    GGGG   EEEEE
B   B    A A    NN  N  D   D   E       D   D   G      E
BBBB     A A    N N N  D   D   EEEE    D   D   G GGG  EEEE
B   B   AAAAA   N  NN  D   D   E       D   D   G   G  E
BBBB    A   A   N   N  DDDD    EEEEE   DDDD    GGGG   EEEEE
```

104

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   44

RUN   10
TP   3
CHAN   51

HARMONIC ANALYSIS SKIPPED

MAX=-0.55082E 00   MIN=-0.55082E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01  I---------I---------I---------I---------I---------I---------I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
2.9999E-01  -                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
1.0000E-01  -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-1.0000E-01 -                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-3.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
            0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A     N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
B   B   A A   NN  N  D   D  E      D   D  G       E
BBBB    A  A  N N N  D   D  EEEE   D   D  G GGG   EEEE
B   B  AAAAA  N  NN  D   D  E      D   D  G   G   E
BBBB   A   A  N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```

105

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.1   WAVEFORM ***
                        ***       CYCLE    0      ***
*** DATA ANALYSIS ***                                              RUN    10
ENTERED              44                                            TP      3
OUT OF RANGE          0                                            CHAN   55
BANDEDGE              0
```
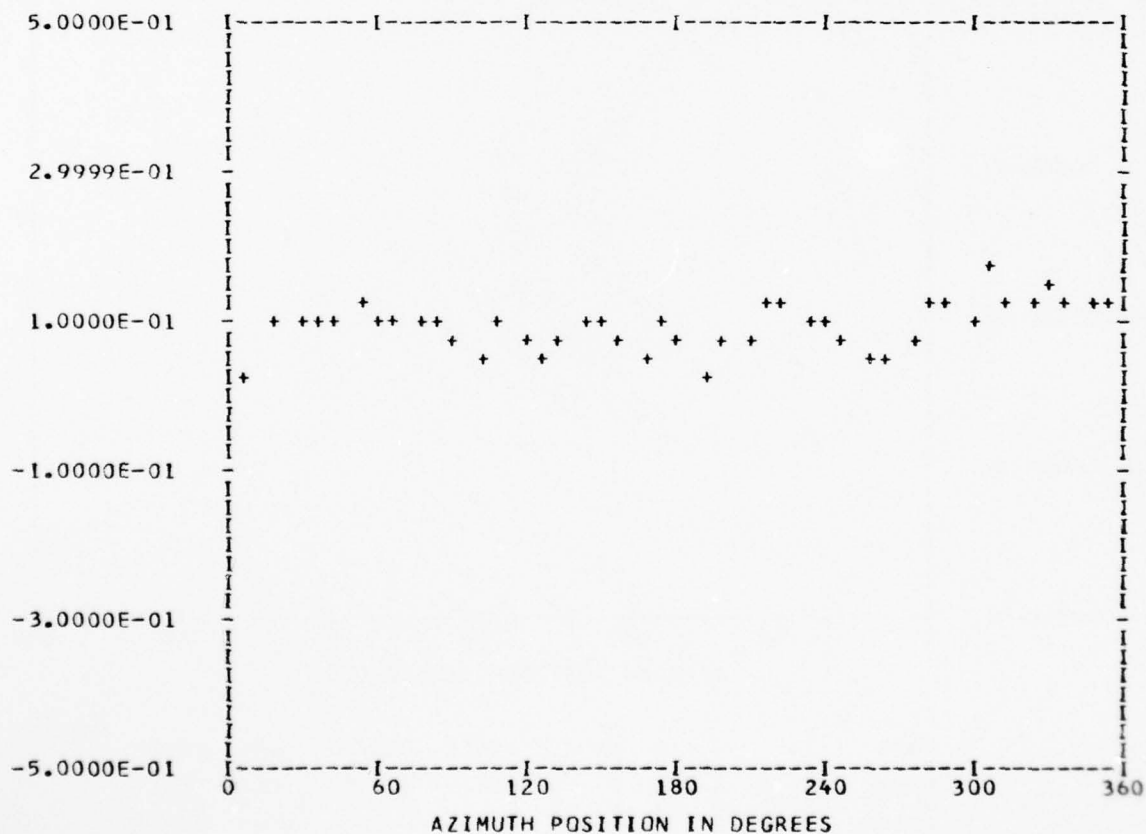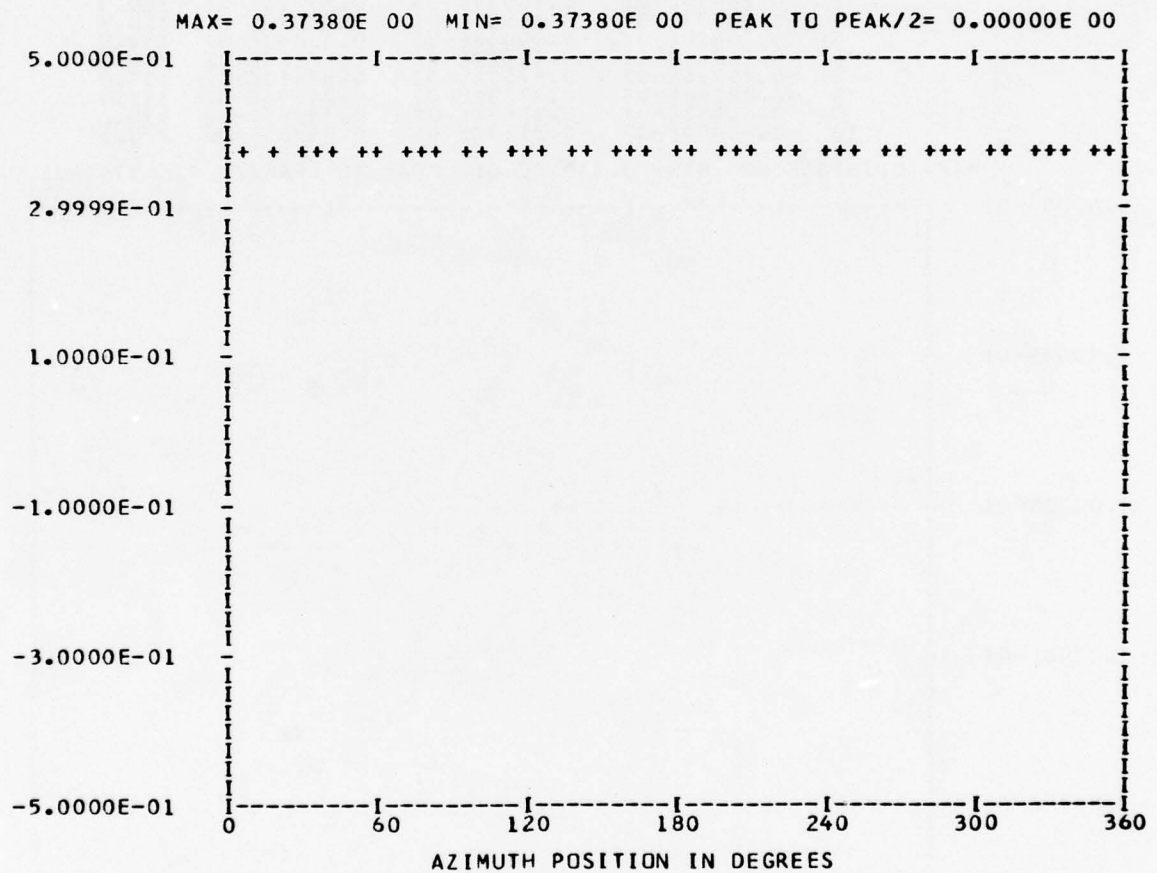
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.43895E-01	1	-0.53767E-02	0.17737E-03	0.53796E-02	271.8
	2	0.90648E-03	0.25771E-02	0.27319E-02	19.3
	3	0.65186E-04	0.98023E-03	0.98239E-03	3.8
	4	0.69257E-02	-0.10545E-01	0.12616E-01	146.7
	5	-0.96411E-03	-0.44806E-03	0.10631E-02	245.0
	6	-0.12197E-04	-0.25774E-04	0.28514E-04	205.3
	7	0.34180E-03	-0.36643E-04	0.34376E-03	96.1
	8	0.13633E-02	-0.17845E-02	0.22456E-02	142.6
	9	0.22352E-03	-0.42405E-04	0.27751E-03	100.7
	10	-0.19785E-03	-0.41790E-03	0.46238E-03	205.3

MAX= 0.63734E-01   MIN= 0.25040E-01   PEAK TO PEAK/2= 0.19346E-01

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01 - I                                                           I
             I                                               .·''        I
             I                                            ········   .··  I
             I                                                           I
             I                                                           I
1.0000E-01 - I                                                           I
             I                            ++                             I
             I+ +   ++ +++ ++       +++ +   ++ +++ +++ ++ +++      + ++ I
             I    +++ +        +++     +++                  +++ ++       I
             I                                                           I
-1.0000E-01 -I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01 -I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300      360
```
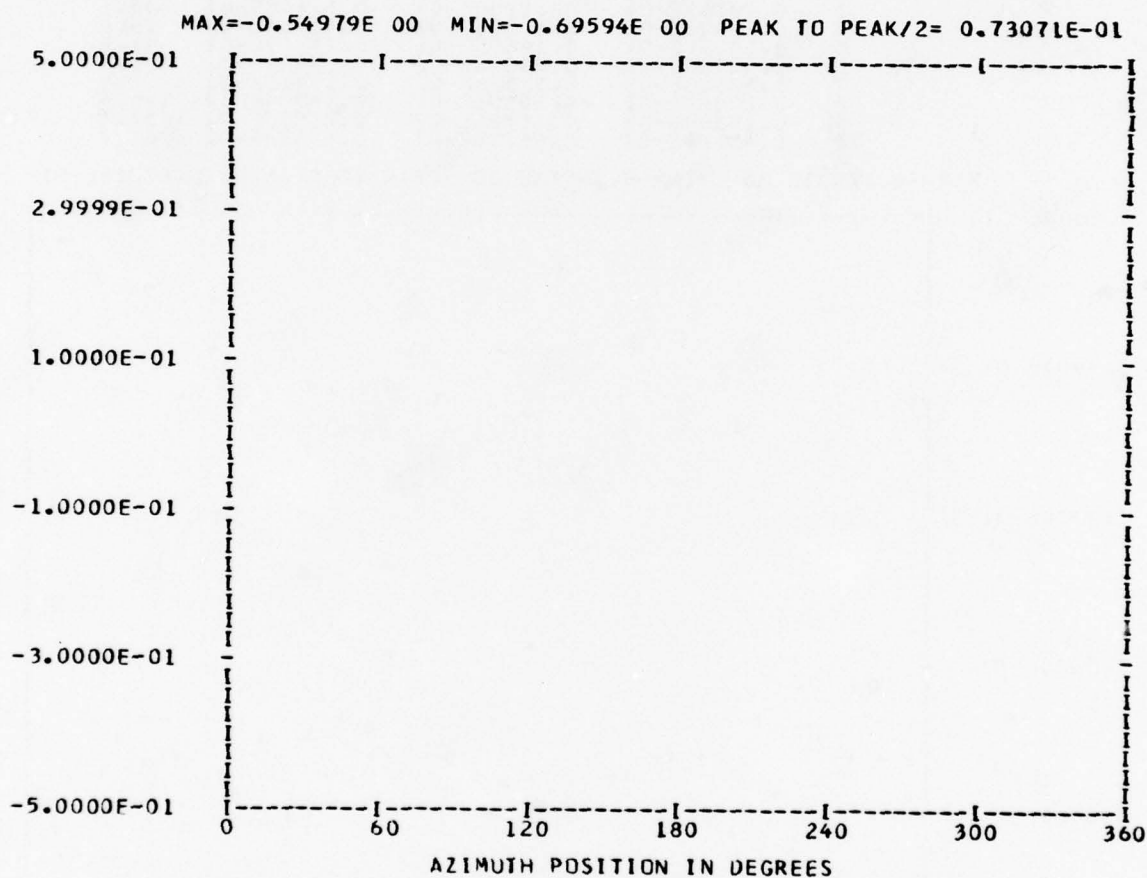
AZIMUTH POSITION IN DEGREES

106

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   10
TP   3
CHAN   60

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.27624E 00	1	-0.13296E-02	0.58919E-02	0.60400E-02	347.2
	2	0.16363E-02	0.44213E-03	0.16949E-02	74.8
	3	-0.48593E-03	0.19315E-02	0.19917E-02	345.8
	4	-0.10254E-01	-0.66694E-02	0.12232E-01	236.9
	5	-0.11044E-02	0.13938E-02	0.17783E-02	321.6
	6	-0.10902E-03	-0.24943E-03	0.27221E-03	203.6
	7	-0.33835E-03	0.88064E-03	0.94341E-03	338.9
	8	-0.21490E-02	-0.34861E-02	0.40953E-02	211.6
	9	-0.61207E-03	0.40120E-03	0.73185E-03	303.2
	10	-0.35968E-03	-0.13142E-03	0.38294E-03	249.9

MAX=-0.25988E 00   MIN=-0.30117E 00   PEAK TO PEAK/2= 0.20645E-01

AZIMUTH POSITION IN DEGREES

107

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3   WAVEFORM ***
***   CYCLE   0   ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.97405E-01	1	0.36413E-03	0.53449E-02	0.53573E-02	3.8
	2	0.59278E-02	-0.14239E-02	0.60964E-02	103.5
	3	-0.19684E-02	-0.18353E-02	0.26913E-02	227.0
	4	-0.21371E-01	0.32897E-02	0.21623E-01	278.7
	5	0.32886E-03	0.34642E-02	0.34798E-02	5.4
	6	0.34718E-02	-0.24907E-03	0.34807E-02	94.1
	7	-0.14492E-02	-0.25333E-03	0.14712E-02	260.0
	8	-0.10515E-01	0.12538E-01	0.16364E-01	320.0
	9	0.12209E-02	0.25166E-02	0.27971E-02	25.8
	10	0.38386E-02	0.54399E-04	0.38390E-02	89.1

MAX=-0.76747E-01   MIN=-0.18345E 00   PEAK TO PEAK/2= 0.53355E-01

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
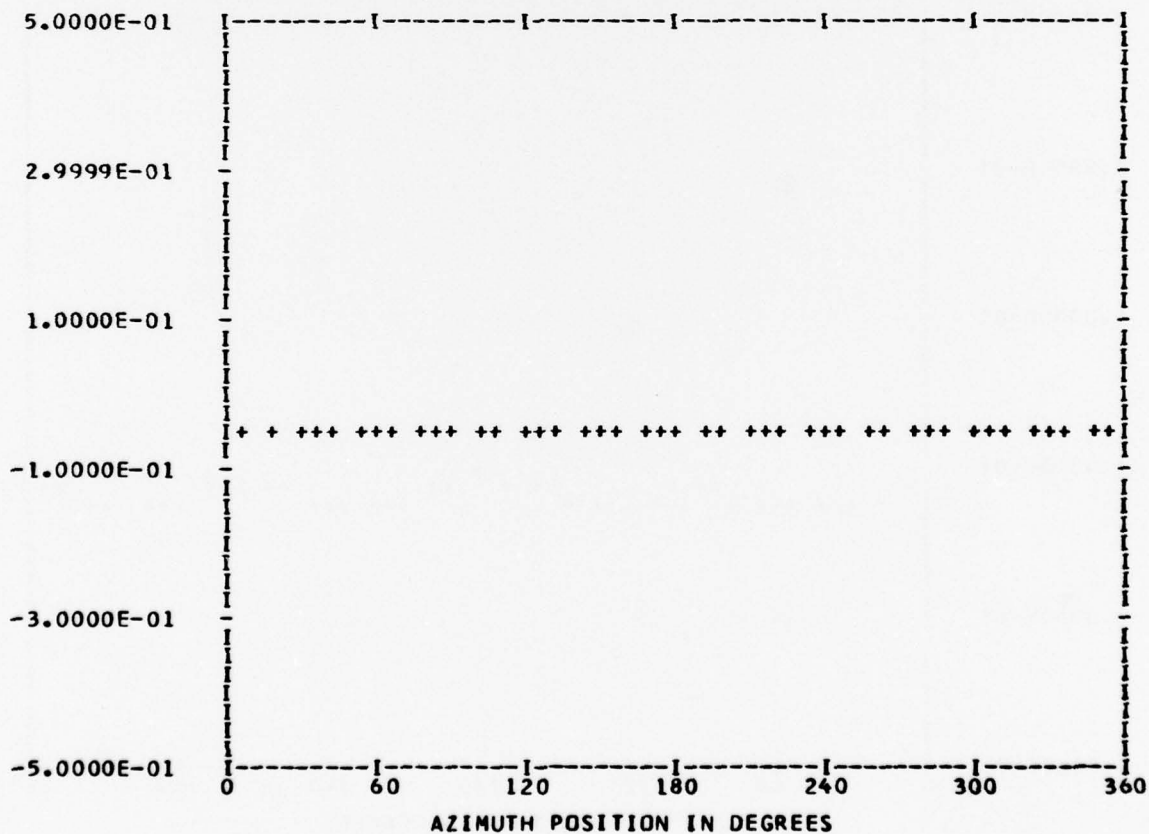
*** PS107.4   WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                          RUN    10
ENTERED              44                                        TP      3
OUT OF RANGE          0                                        CHAN   52
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18185E 00	1	0.97571E-03	0.36296E-02	0.37584E-02	15.0
	2	0.36392E-02	-0.68207E-03	0.37026E-02	100.6
	3	-0.11746E-02	-0.16692E-02	0.20411E-02	215.1
	4	-0.10215E-01	0.34395E-02	0.10778E-01	288.6
	5	0.48309E-03	0.24385E-02	0.24859E-02	11.2
	6	0.30696E-02	0.85429E-03	0.31863E-02	74.4
	7	-0.50193E-03	-0.84670E-03	0.98429E-03	210.6
	8	-0.10732E-01	0.50018E-02	0.11840E-01	294.9
	9	0.66967E-03	0.20017E-02	0.21108E-02	18.4
	10	0.30746E-02	0.15681E-02	0.34514E-02	62.9

MAX= 0.19546E 00   MIN= 0.11485E 00   PEAK TO PEAK/2= 0.40305E-01

AZIMUTH POSITION IN DEGREES

109

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
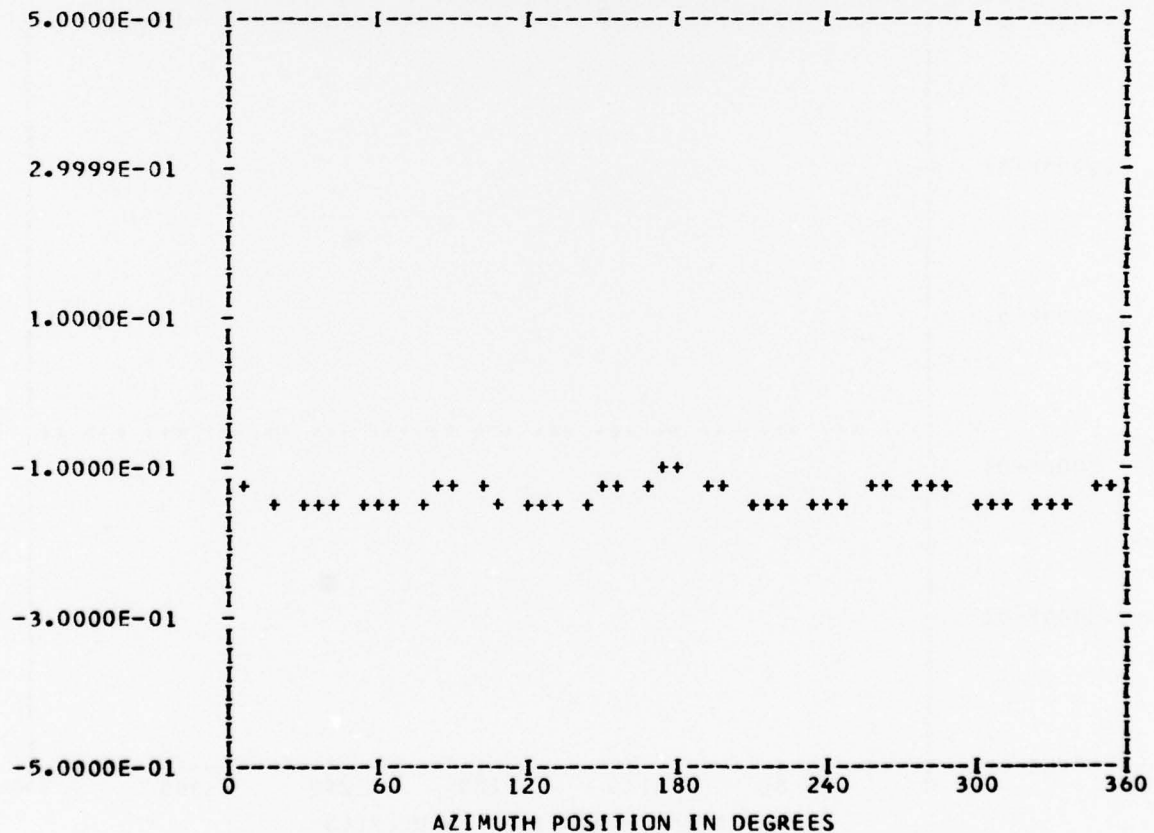
*** PS107.5 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   10
TP   3
CHAN   47

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.17672E-01	1	-0.11986E-02	0.26508E-02	0.29092E-02	335.6
	2	0.85384E-03	0.16639E-03	0.86990E-03	78.9
	3	-0.18407E-02	0.88644E-03	0.20430E-02	295.7
	4	0.58534E-02	-0.68485E-02	0.90092E-02	139.4
	5	-0.91336E-03	-0.81757E-03	0.12258E-02	228.1
	6	0.52079E-03	0.80438E-03	0.95826E-03	32.9
	7	0.30136E-03	-0.50522E-03	0.58828E-03	149.1
	8	0.22292E-02	-0.74333E-03	0.23499E-02	108.4
	9	0.26753E-03	-0.45507E-03	0.52789E-03	149.5
	10	-0.29622E-03	0.19180E-04	0.29684E-03	273.7

MAX=-0.33184E-02 MIN=-0.32195E-01 PEAK TO PEAK/2= 0.14438E-01
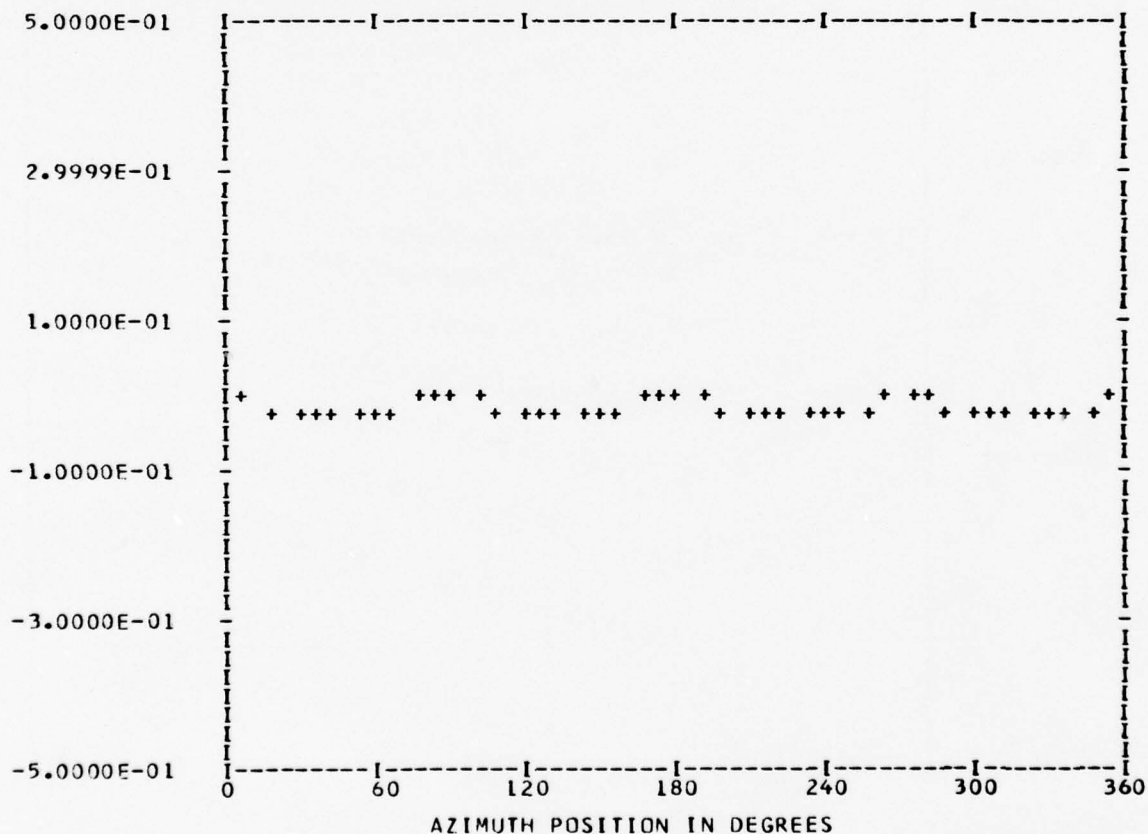
AZIMUTH POSITION IN DEGREES

110

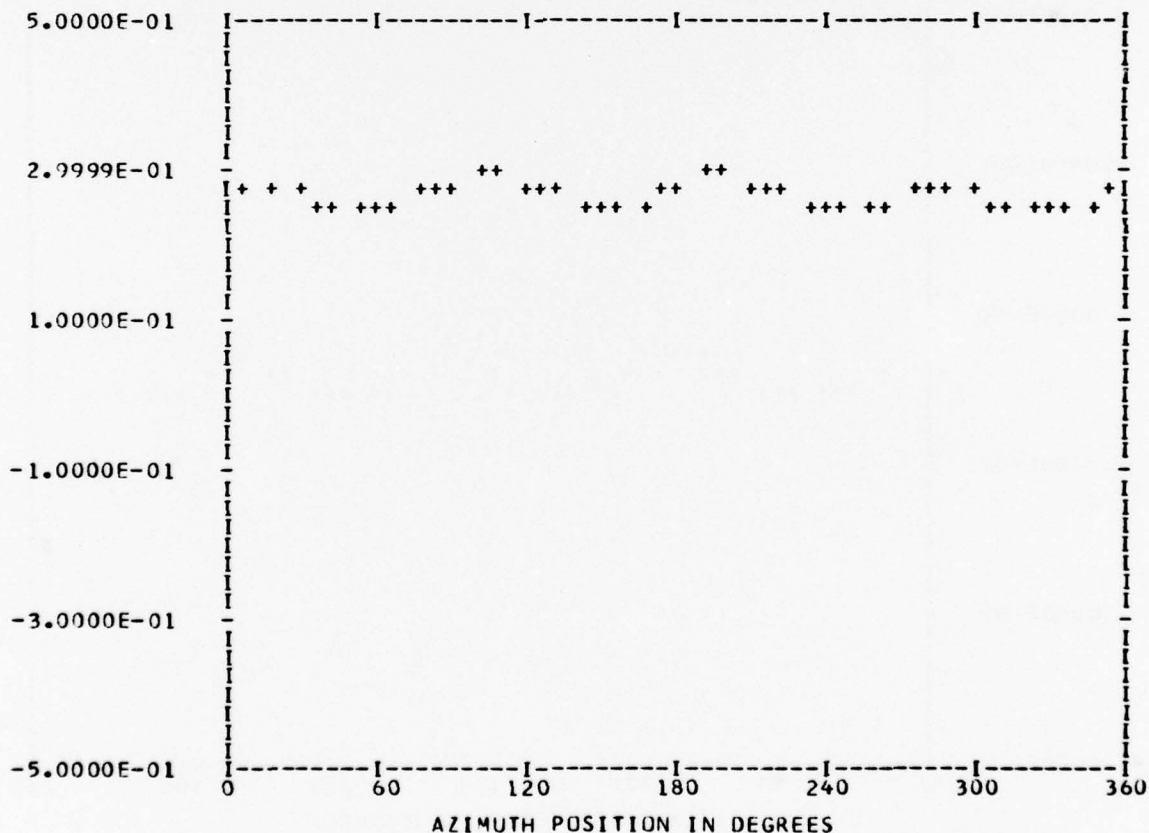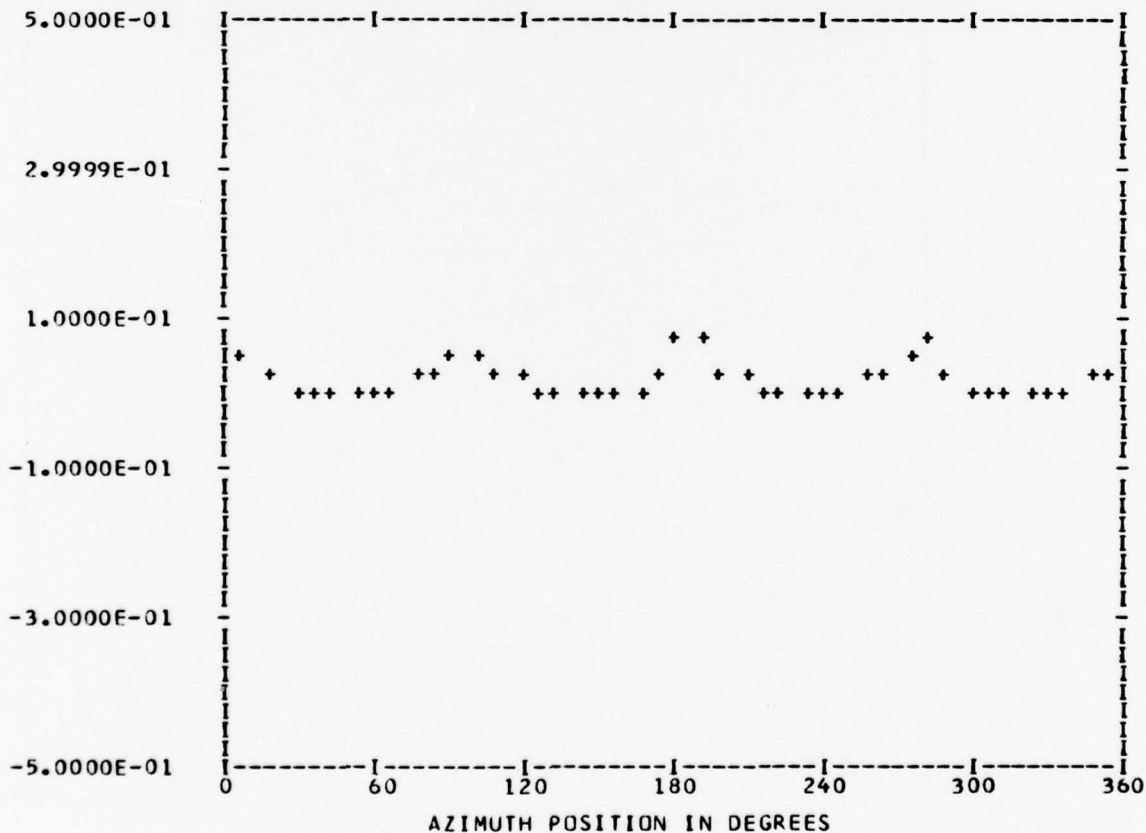UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
*** PS107.6 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   10
TP   3
CHAN   50

HARMONIC ANALYSIS SKIPPED
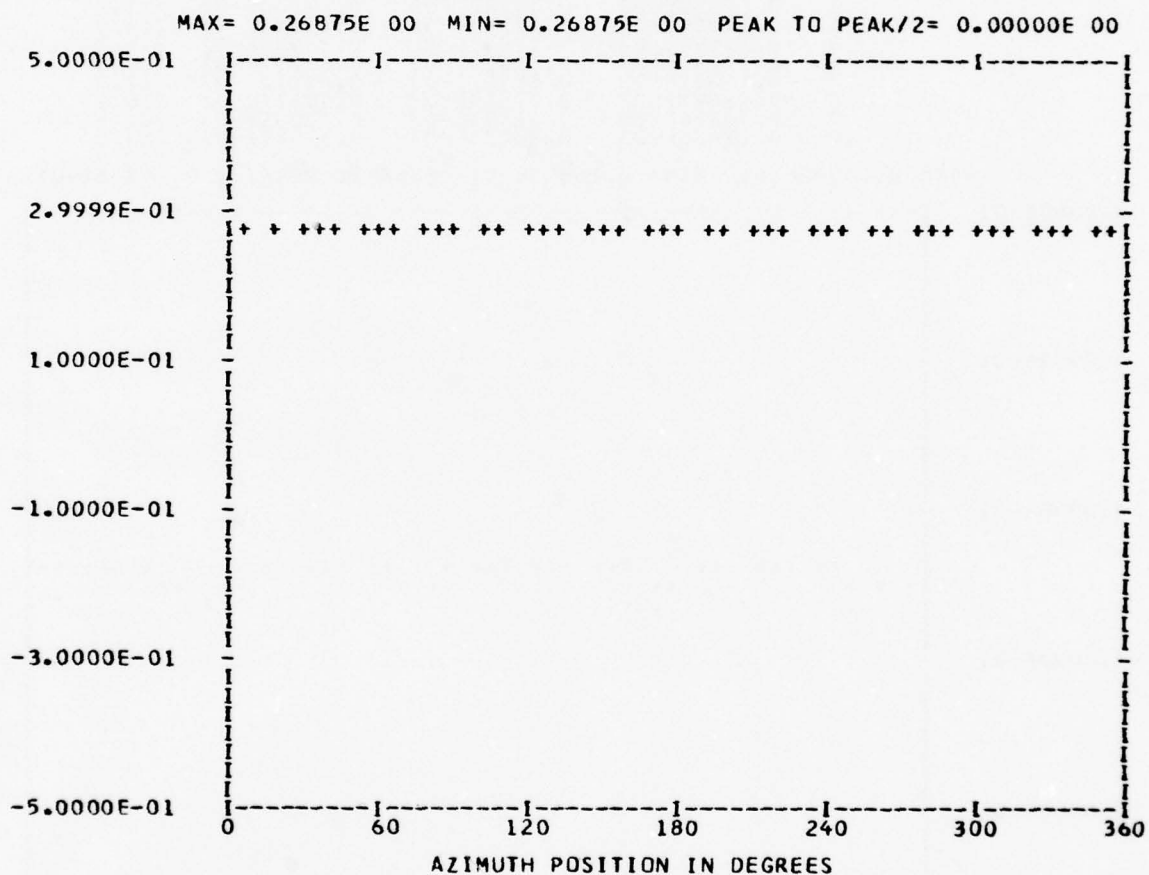
MAX= 0.26875E 00   MIN= 0.26875E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I--------I--------I--------I--------I--------I--------I
             I                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
2.9999E-01   -                                                     I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                     I
             I                                                     I
1.0000E-01   -                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
-1.0000E-01  -                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
-3.0000E-01  -                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
             I                                                     I
-5.0000E-01  I--------I--------I--------I--------I--------I--------I
             0       60       120      180      240      300     360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A     N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
B    B   A A   NN  N  D   D  E      D   D  G       E
BBBB    A   A  N N N  D   D  EEEE   D   D  G  GGG  EEEE
B    B  AAAAA  N  NN  D   D  E      D   D  G    G  E
BBBB    A   A  N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```

111

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSI12.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***				RUN	10
ENTERED	44			TP	3
OUT OF RANGE	0			CHAN	61
BANDEDGE	0				

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.19611E-01	1	-0.18939E-02	0.61610E-02	0.64456E-02	342.9
	2	0.25866E-02	0.21914E-03	0.25959E-02	85.1
	3	-0.11550E-02	0.24182E-03	0.11800E-02	281.8
	4	-0.14604E-01	-0.62573E-02	0.15888E-01	246.8
	5	-0.15999E-02	0.17801E-02	0.23934E-02	318.0
	6	0.17246E-03	0.62829E-03	0.65153E-03	15.3
	7	0.15037E-03	0.65411E-03	0.67117E-03	12.9
	8	-0.41647E-02	-0.27889E-02	0.50123E-02	236.1
	9	-0.56386E-03	0.41623E-03	0.70085E-03	306.4
	10	0.12906E-03	0.30323E-03	0.32955E-03	23.0

MAX= 0.36342E-01   MIN=-0.16353E-01   PEAK TO PEAK/2= 0.26348E-01

AZIMUTH POSITION IN DEGREES

112

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
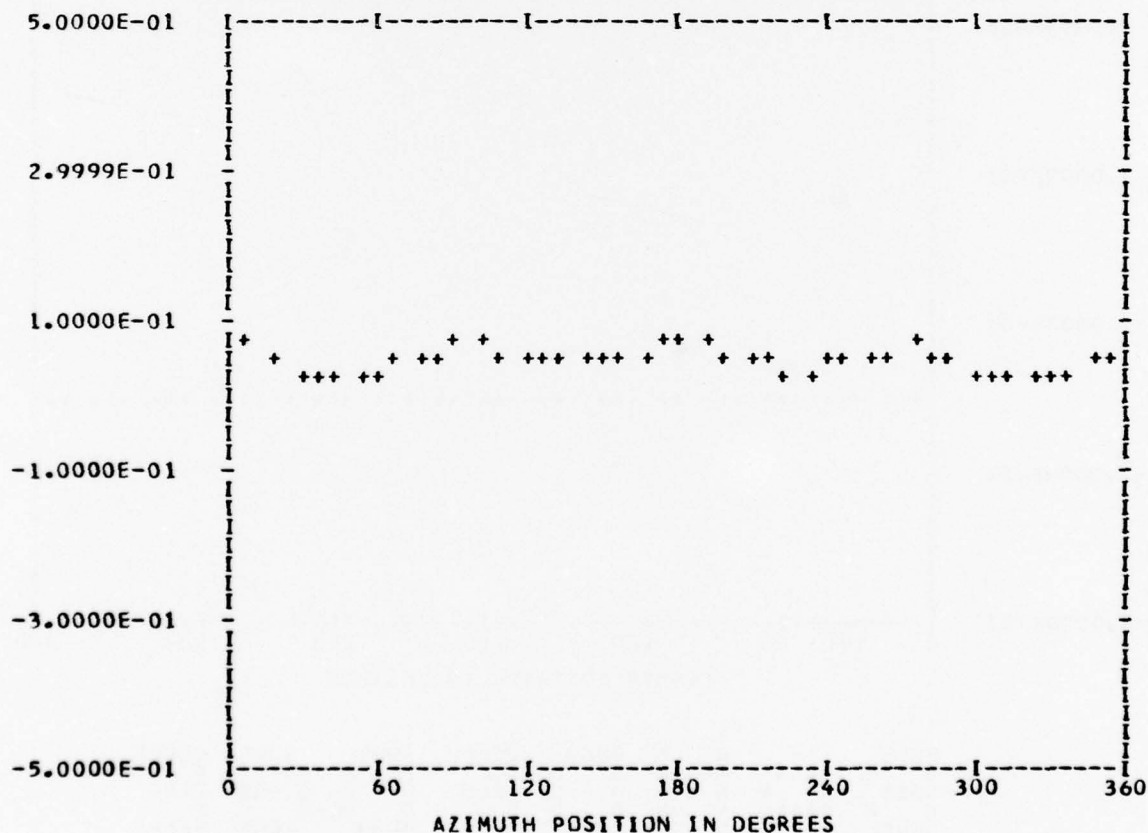
*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   10
ENTERED   44   TP   3
OUT OF RANGE   44   CHAN   48
BANDEDGE   44   HARMONIC ANALYSIS SKIPPED

```
       MAX= 0.86054E 00  MIN= 0.53215E 00  PEAK TO PEAK/2= 0.16419E 00
  5.0000E-01   I---------I---------I---------I---------I---------I---------I
               I                                                           IIII
               I                                                           IIII
               I                                                           IIII
               I                                                           I
  2.9999E-01   -                                                           -
               I                                                           IIII
               I                                                           IIII
               I                                                           IIII
  1.0000E-01   -                                                           -
               I                                                           IIII
               I                                                           IIII
               I                                                           IIII
               I                                                           I
 -1.0000E-01   -                                                           -
               I                                                           IIII
               I                                                           IIII
               I                                                           IIII
               I                                                           I
 -3.0000E-01   -                                                           I
               I                                                           IIII
               I                                                           IIII
               I                                                           IIII
               I                                                           I
 -5.0000E-01   I---------I---------I---------I---------I---------I---------I
               0        60       120       180       240       300       360
                            AZIMUTH POSITION IN DEGREES
```

```
    BBBB      A    N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
    B   B    A A   NN  N  D   D  E      D   D  G       E
    BBBB     A  A  N N N  D   D  EEEE   D   D  G  GGG  EEEE
    B   B   AAAAA  N  NN  D   D  E      D   D  G   G   E
    BBBB    A   A  N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```
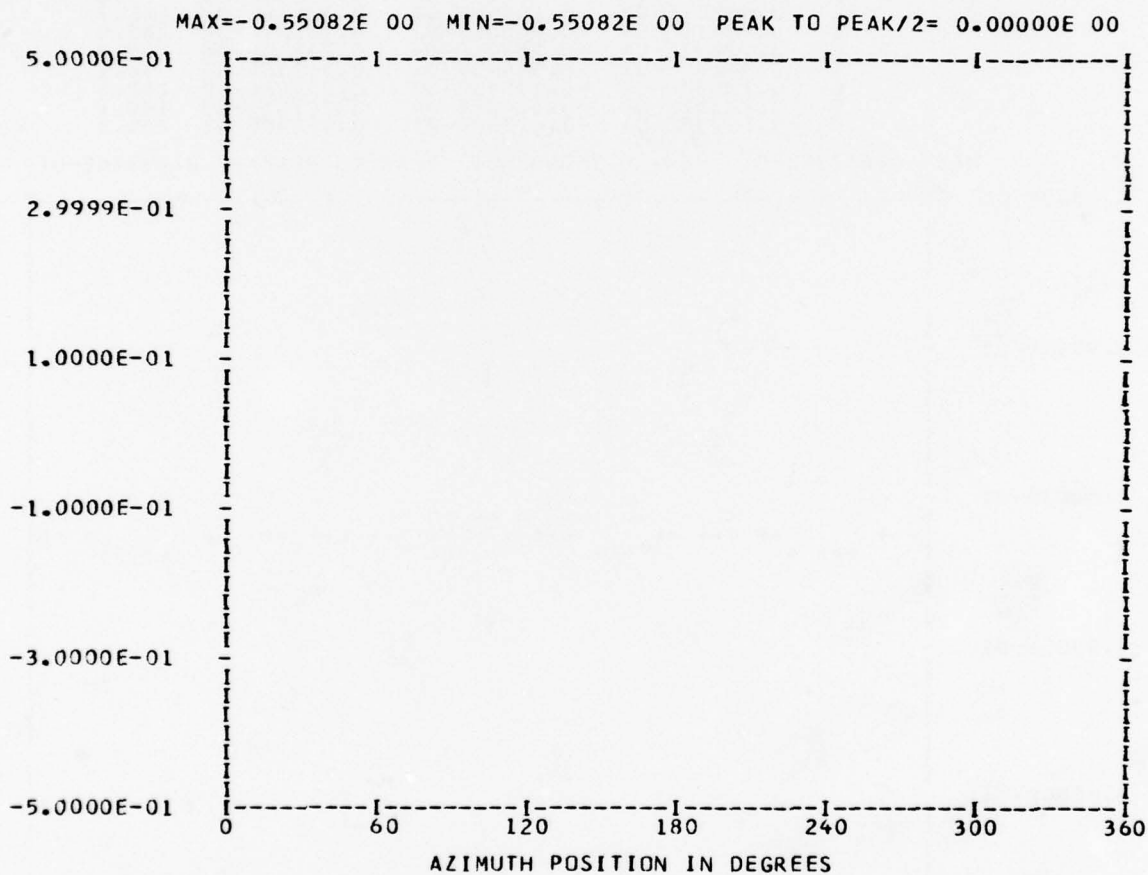
113
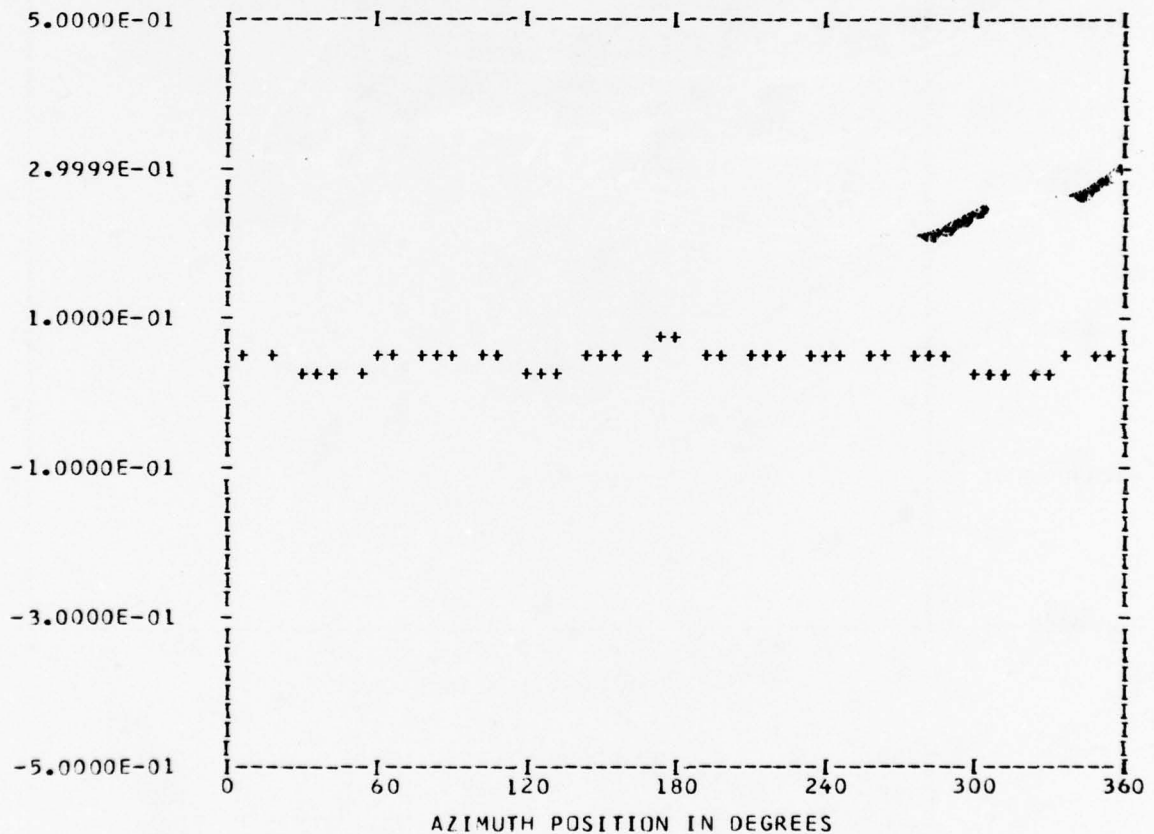
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1 WAVEFORM ***
*** CYCLE 0 ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.60279E-01	1	-0.16136E-02	-0.14946E-03	0.16205E-02	264.7
	2	-0.15965E-03	-0.13940E-03	0.21194E-03	228.8
	3	-0.67119E-05	0.56954E-03	0.56958E-03	359.3
	4	-0.33946E-03	-0.16344E-02	0.16693E-02	191.7
	5	0.14623E-03	-0.31345E-03	0.34588E-03	154.9
	6	-0.34959E-03	0.21345E-03	0.40960E-03	301.4
	7	0.46011E-03	0.52270E-03	0.69636E-03	41.3
	8	-0.30269E-02	0.43581E-03	0.30582E-02	278.1
	9	0.24048E-03	0.17467E-03	0.29722E-03	54.0
	10	-0.46179E-03	-0.68109E-03	0.82288E-03	214.1

MAX=-0.52984E-01 MIN=-0.68510E-01 PEAK TO PEAK/2= 0.77631E-02

AZIMUTH POSITION IN DEGREES

114

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   10
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   53
BANDEDGE   0

STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
-0.23035E 00   1   0.15953E-02   -0.17166E-02   0.23435E-02   137.0
                2   -0.10965E-02   -0.76556E-03   0.13373E-02   235.0
                3   -0.11545E-03   0.60532E-04   0.13035E-03   297.6
                4   0.67430E-03   -0.11349E-02   0.13201E-02   149.2
                5   0.10504E-03   0.11733E-03   0.15748E-03   41.8
                6   0.62630E-04   -0.27789E-03   0.28486E-03   167.2
                7   -0.39374E-04   0.98119E-04   0.10572E-03   338.1
                8   -0.14707E-02   -0.14263E-02   0.20487E-02   225.8
                9   0.54017E-04   -0.23482E-03   0.24096E-03   167.0
               10   -0.29589E-04   -0.37261E-04   0.47581E-04   218.4

MAX=-0.22267E 00   MIN=-0.23589E 00   PEAK TO PEAK/2= 0.66123E-02
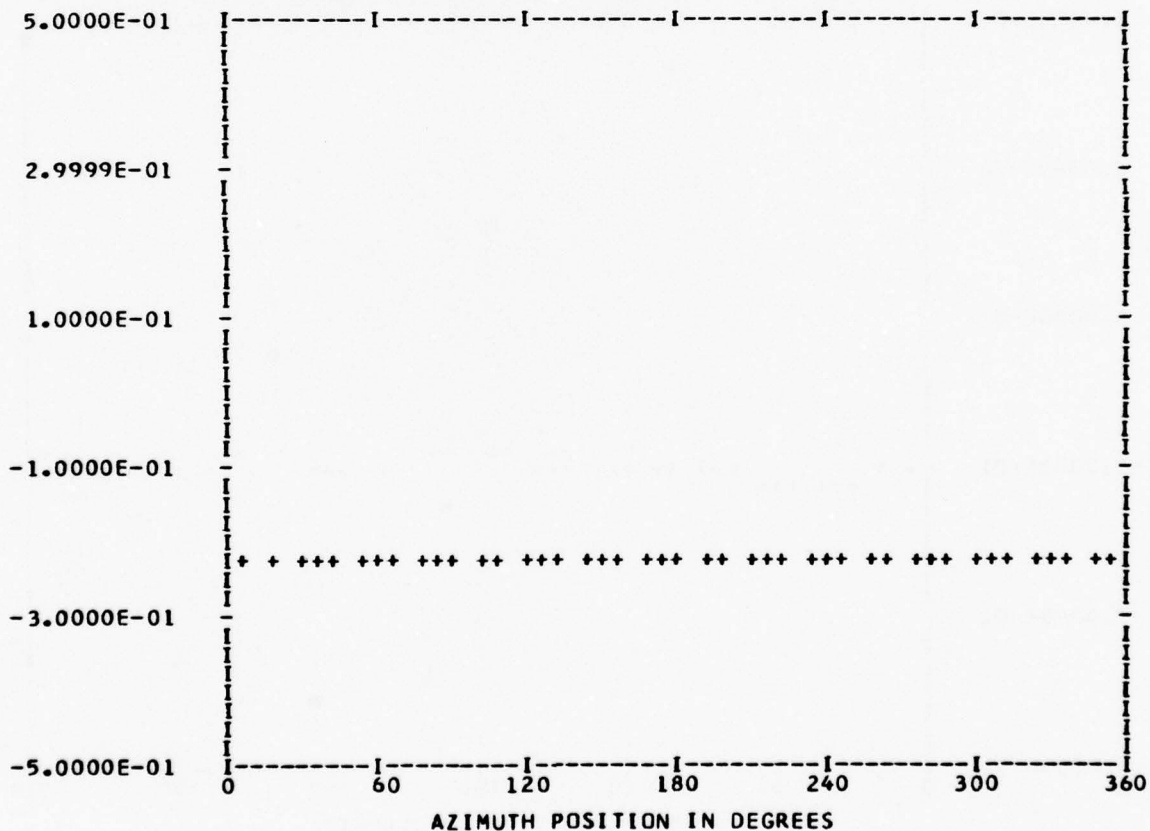
AZIMUTH POSITION IN DEGREES

115

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                       *** PS081.1  WAVEFORM ***
                       ***     CYCLE   0     ***
*** DATA ANALYSIS ***                                          RUN    11
ENTERED              44                                        TP      5
OUT OF RANGE          0                                        CHAN   54
BANDEDGE              0
```
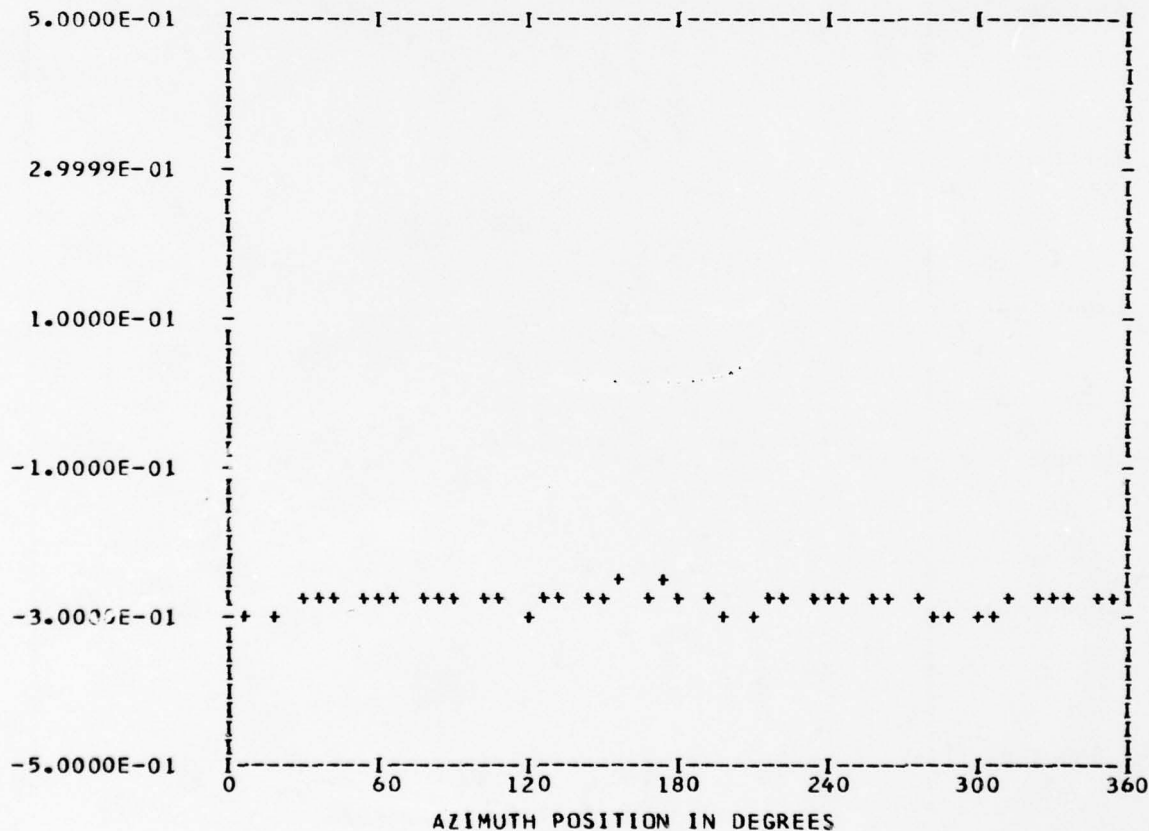
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.95889E-01	1	-0.12496E-01	-0.74009E-02	0.14523E-01	239.3
	2	0.26938E-02	-0.12665E-02	0.29767E-02	115.1
	3	0.40861E-03	-0.50098E-03	0.64648E-03	140.7
	4	0.91756E-02	-0.10757E-01	0.14139E-01	139.5
	5	-0.18330E-02	0.69264E-05	0.18330E-02	270.2
	6	0.10288E-02	-0.20035E-07	0.10288E-02	90.0
	7	0.49555E-03	0.53151E-03	0.72668E-03	42.9
	8	0.61059E-03	-0.58194E-02	0.58514E-02	174.0
	9	-0.52473E-03	0.22982E-02	0.23573E-02	347.1
	10	0.55978E-03	0.71659E-04	0.56435E-03	82.7

MAX=-0.54963E-01   MIN=-0.12360E 00   PEAK TC PEAK/2= 0.34321E-01
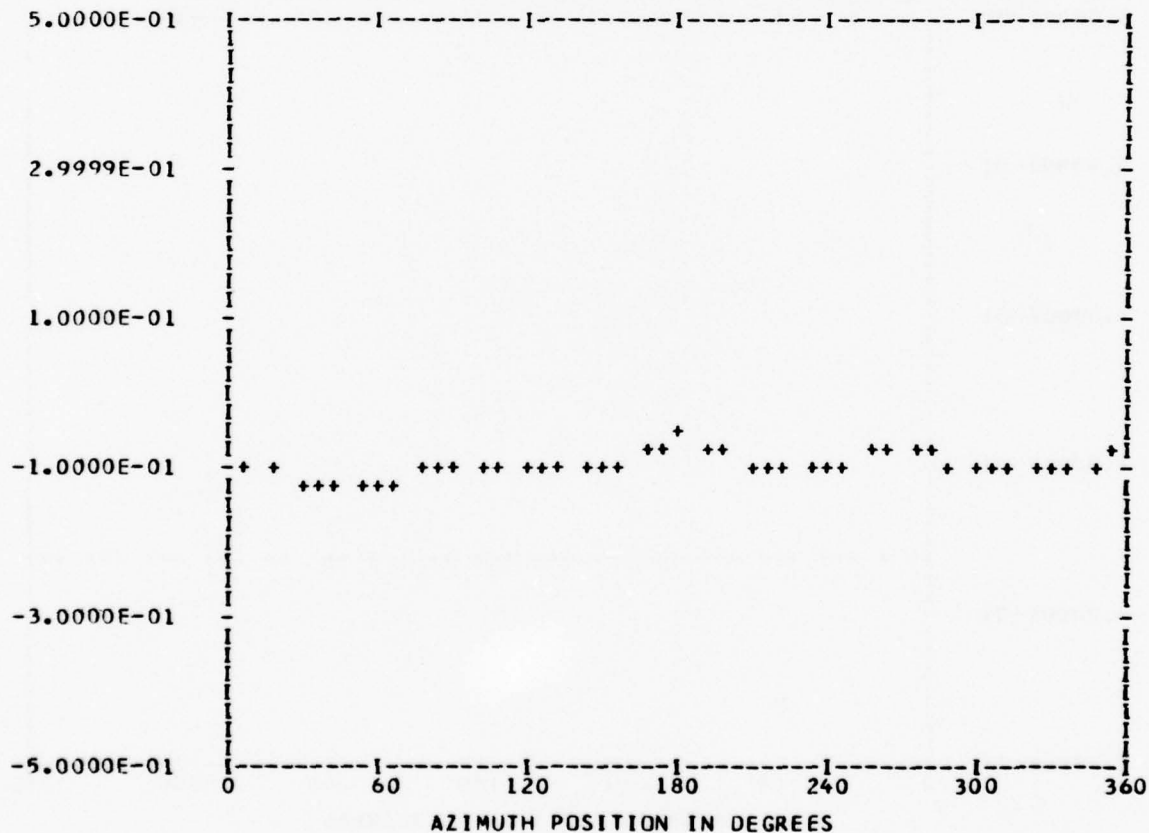
AZIMUTH POSITION IN DEGREES

116

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
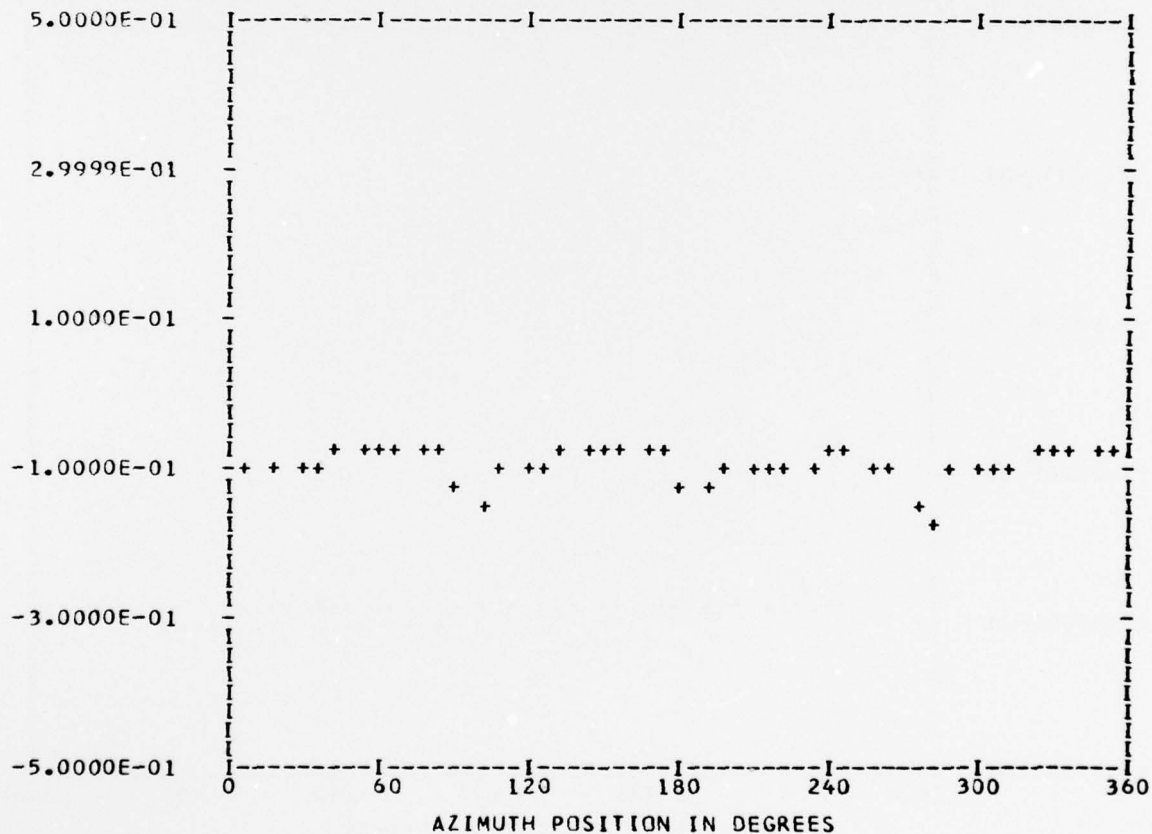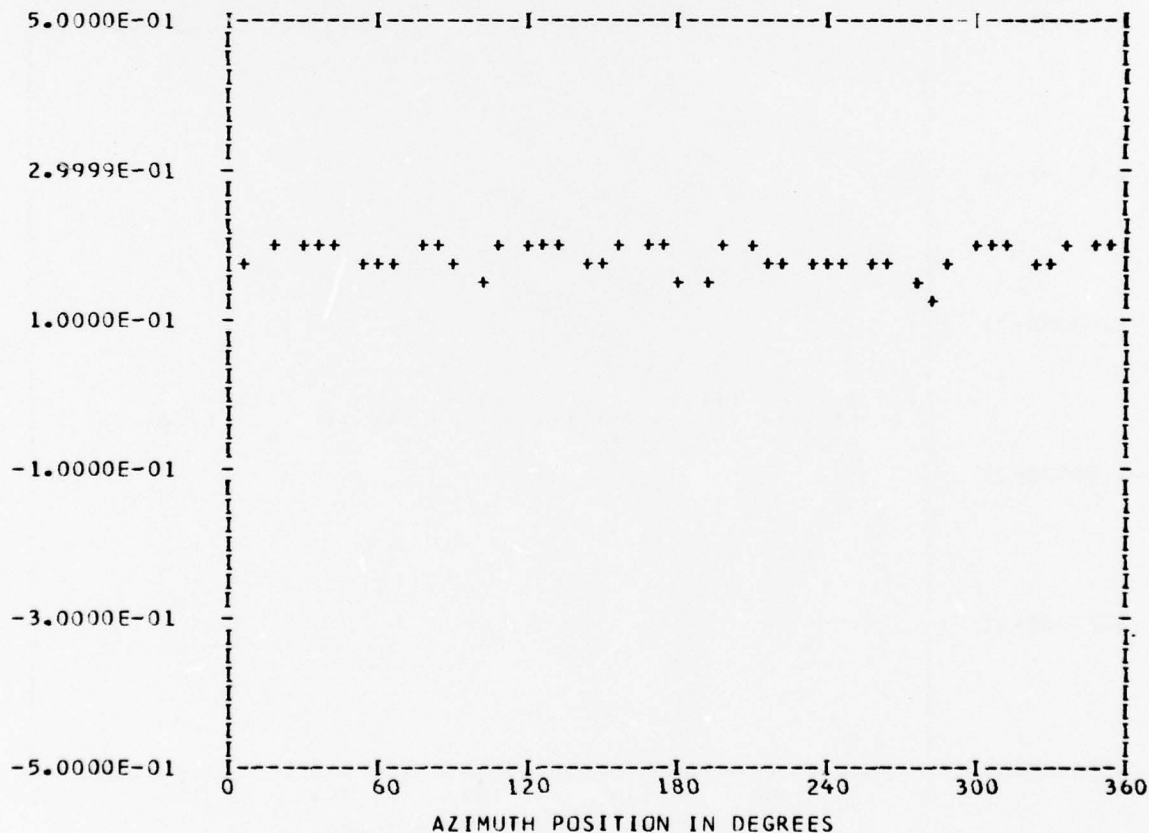
*** PSO81.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   5
CHAN 59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.20920E-03	1	0.34732E-04	-0.23783E-03	0.24035E-03	171.6
	2	-0.23584E-04	0.52325E-04	0.57394E-04	335.7
	3	0.85365E-04	-0.12039E-03	0.14758E-03	144.6
	4	0.19221E-03	0.89319E-04	0.21195E-03	65.0
	5	-0.20635E-04	0.31243E-04	0.37442E-04	326.5
	6	0.10228E-04	-0.33094E-04	0.34639E-04	162.8
	7	0.63270E-04	-0.36301E-04	0.72945E-04	119.8
	8	0.53159E-04	0.10047E-03	0.11367E-03	27.8
	9	-0.11089E-03	-0.53050E-05	0.11102E-03	267.2
	10	-0.93235E-04	0.14639E-03	0.17356E-03	327.5

MAX= 0.10703E-02   MIN=-0.46380E-03   PEAK TO PEAK/2= 0.76706E-03

```
5.0000E-01  I---------I---------I---------I---------I---------I---------I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
2.9999E-01  -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
1.0000E-01  -                                                          -
            I                                                          I
            I                                                          I
            I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
            I                                                          I
            I                                                          I
-1.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-3.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
            0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

117

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.3 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***		RUN 11
ENTERED 44		TP 5
OUT OF RANGE 0		CHAN 49
BANDEDGE 0		

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.18598E 00	1	0.43839E-02	-0.16826E-02	0.46957E-02	110.9
	2	0.22773E-02	-0.31029E-03	0.22984E-02	97.7
	3	-0.18365E-02	0.20866E-03	0.18483E-02	276.4
	4	0.17320E-01	0.53341E-02	0.18122E-01	72.8
	5	0.99718E-03	-0.11416E-02	0.15158E-02	138.8
	6	0.73294E-03	0.14166E-02	0.15950E-02	27.3
	7	0.28688E-03	0.15956E-02	0.16211E-02	10.1
	8	0.51705E-02	0.48008E-02	0.70556E-02	47.1
	9	-0.21641E-03	-0.49685E-03	0.54193E-03	203.5
	10	-0.44263E-04	-0.10594E-03	0.11482E-03	202.6

MAX= 0.21952E 00   MIN= 0.16681E 00   PEAK TO PEAK/2= 0.26355E-01
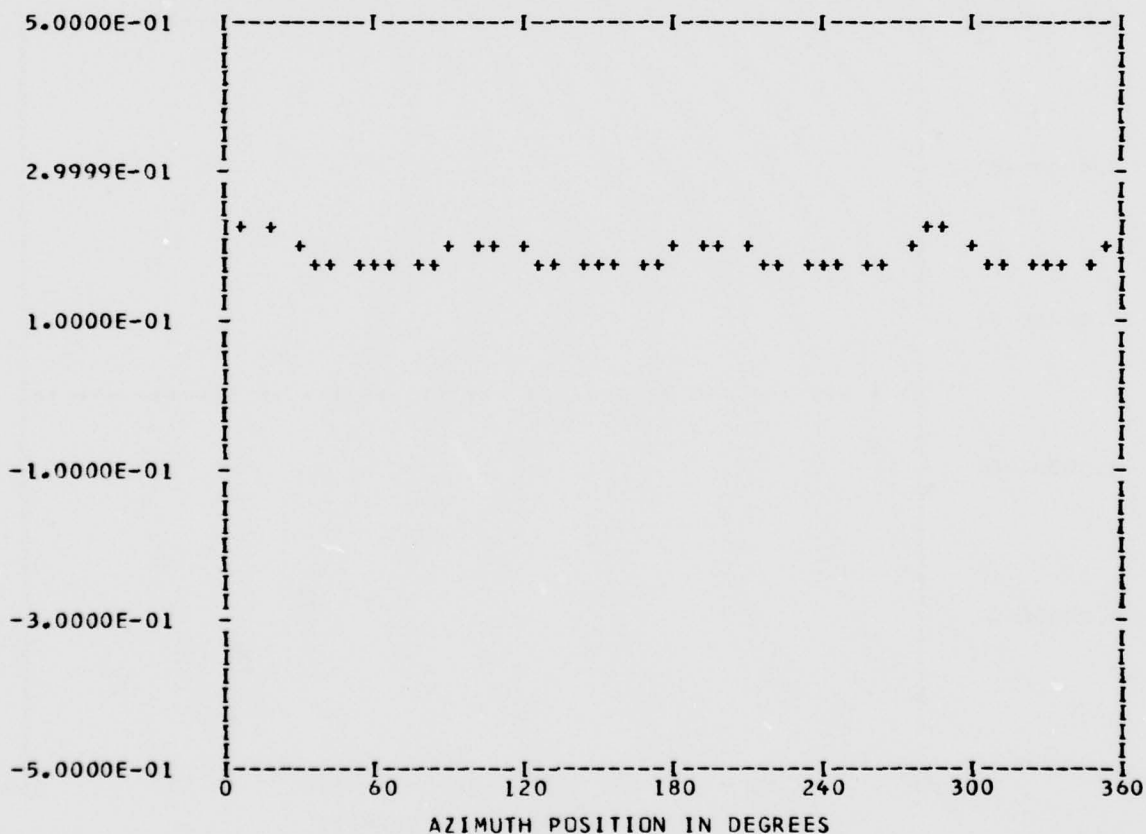
```
5.0000E-01  I---------I---------I---------I---------I---------I---------I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
2.9999E-01  -                                                          -
            I                                                          I
            I+ +                                                +    +I
            I     +  ++ +++ ++    + ++ +   ++ +++ ++   + ++ +      +   +I
            I        ++ +++ ++    ++ +++ ++   + ++ +   ++ +++ ++   +I
            I                                                          I
1.0000E-01  -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-1.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-3.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
            0        60       120       180       240       300      360
                       AZIMUTH POSITION IN DEGREES
```

118

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS089.1  WAVEFORM ***
                    ***    CYCLE   0      ***
*** DATA ANALYSIS ***                                           RUN    11
ENTERED          43                                             TP      5
OUT OF RANGE      0                                             CHAN   45
BANDEDGE          0
```
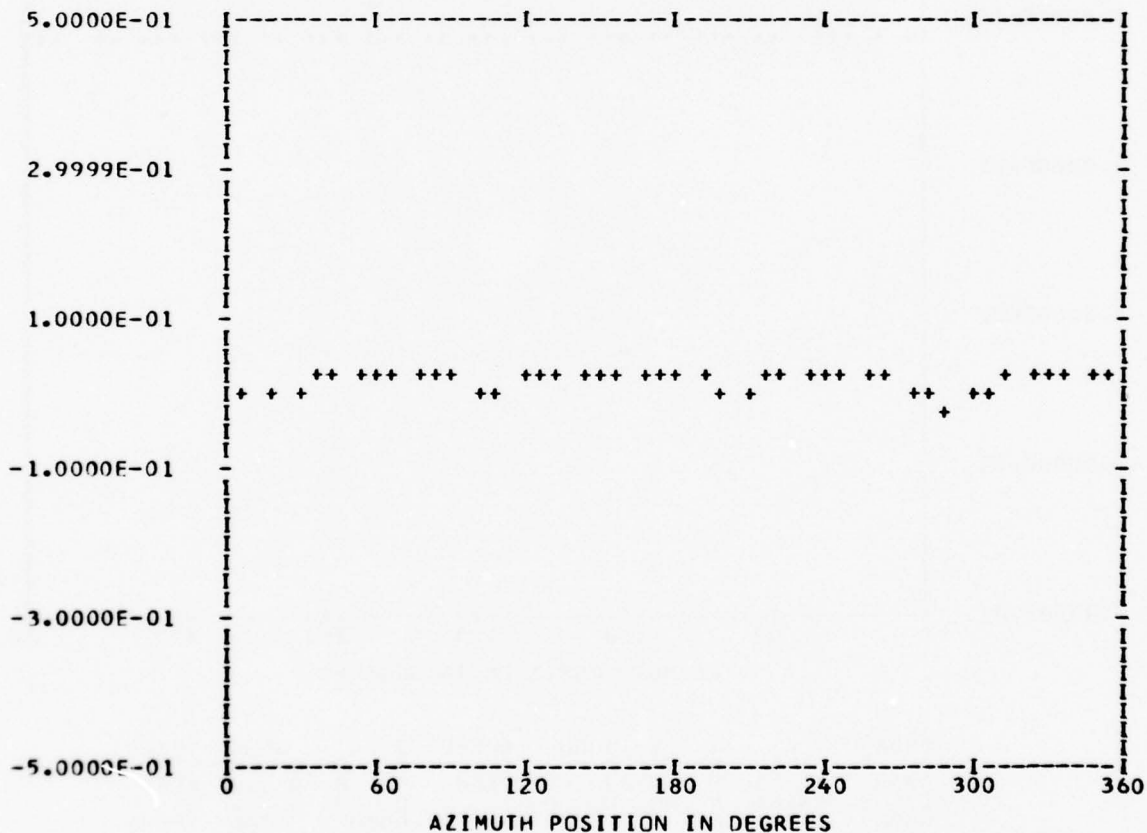
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.69085E-01	1	-0.92851E-03	-0.11609E-02	0.14866E-02	218.6
	2	0.29215E-03	0.14526E-02	0.14817E-02	11.3
	3	-0.50653E-02	0.99137E-03	0.51614E-02	281.0
	4	0.27821E-01	0.66450E-02	0.28603E-01	76.5
	5	0.13093E-03	-0.24860E-02	0.24894E-02	176.9
	6	0.27864E-03	0.70127E-03	0.75460E-03	21.6
	7	-0.27517E-02	0.14266E-03	0.27554E-02	272.9
	8	0.12236E-01	0.59598E-02	0.13610E-01	64.0
	9	0.33061E-03	-0.97108E-03	0.10258E-02	161.1
	10	0.74075E-03	0.13644E-03	0.75322E-03	79.5

MAX= 0.12229E 00   MIN= 0.47745E-01   PEAK TO PEAK/2= 0.37275E-01

AZIMUTH POSITION IN DEGREES

119
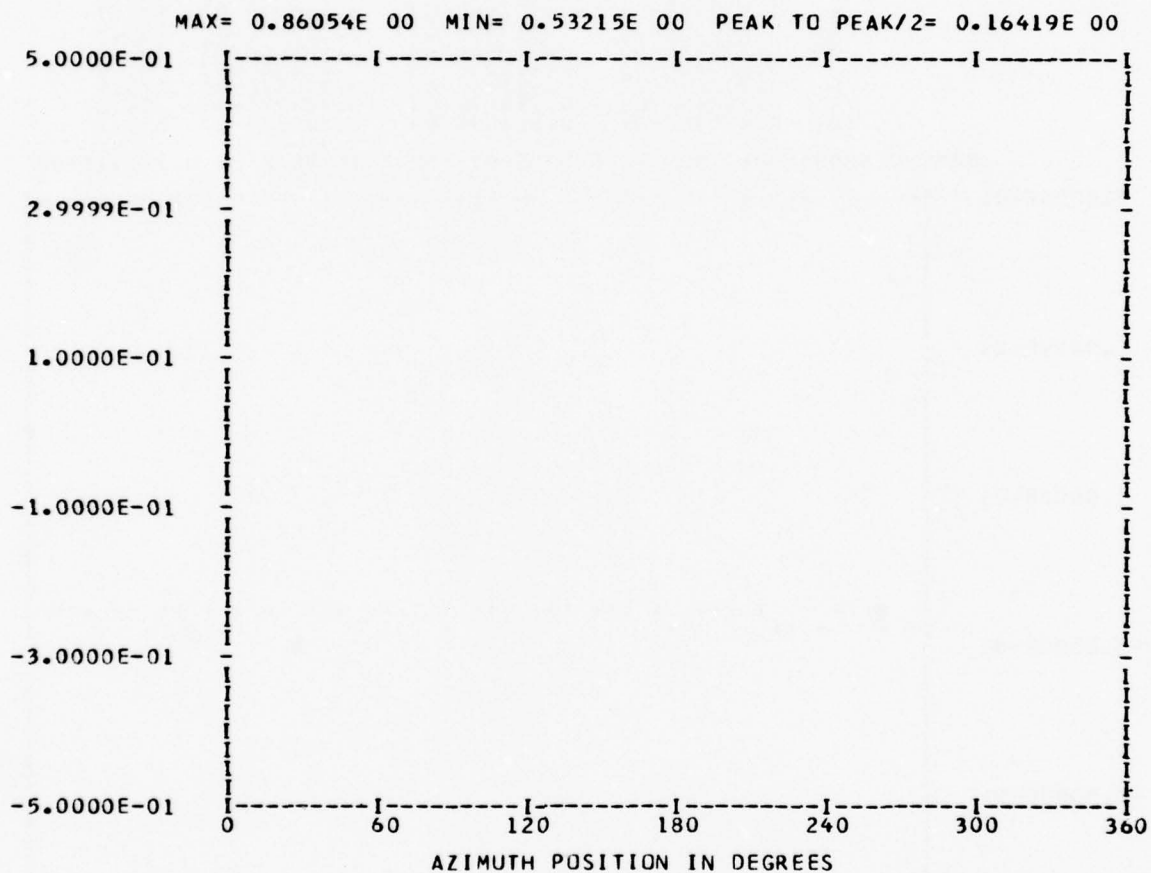
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   44   TP   5
OUT OF RANGE   0   CHAN   56
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.15910E-01	1	-0.73774E-02	0.43946E-02	0.85872E-02	300.7
	2	0.34614E-02	-0.19598E-02	0.39777E-02	119.5
	3	-0.12020E-02	0.16621E-02	0.20512E-02	324.1
	4	0.16860E-01	-0.16058E-01	0.23284E-01	133.6
	5	-0.14156E-02	-0.44081E-03	0.14826E-02	252.7
	6	0.10450E-02	0.69106E-03	0.12528E-02	56.5
	7	0.15902E-03	0.20034E-02	0.20097E-02	4.5
	8	0.40242E-02	-0.79267E-02	0.88898E-02	153.0
	9	-0.18308E-02	0.10107E-02	0.20913E-02	298.9
	10	0.69300E-03	-0.73828E-03	0.10125E-02	136.8

MAX= 0.42168E-01   MIN=-0.41181E-01   PEAK TO PEAK/2= 0.41674E-01
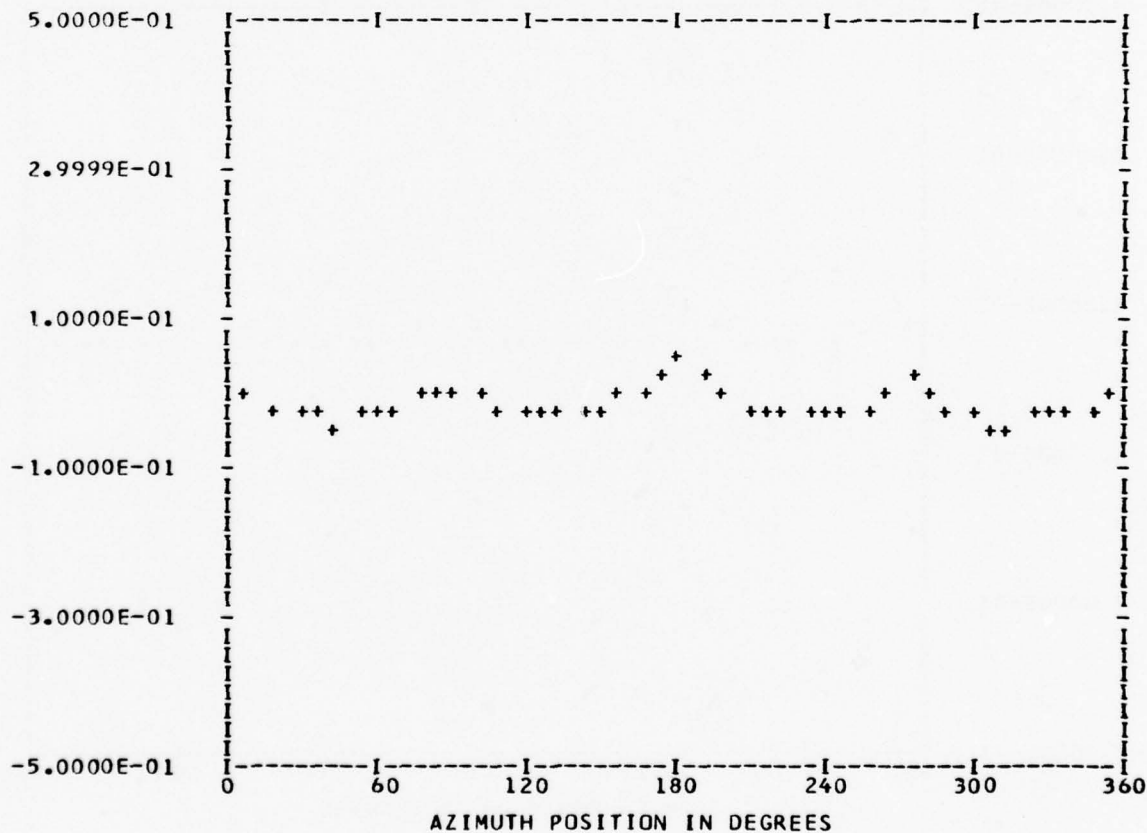
AZIMUTH POSITION IN DEGREES

120

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.2 WAVEFORM ***
*** CYCLE 0 ***
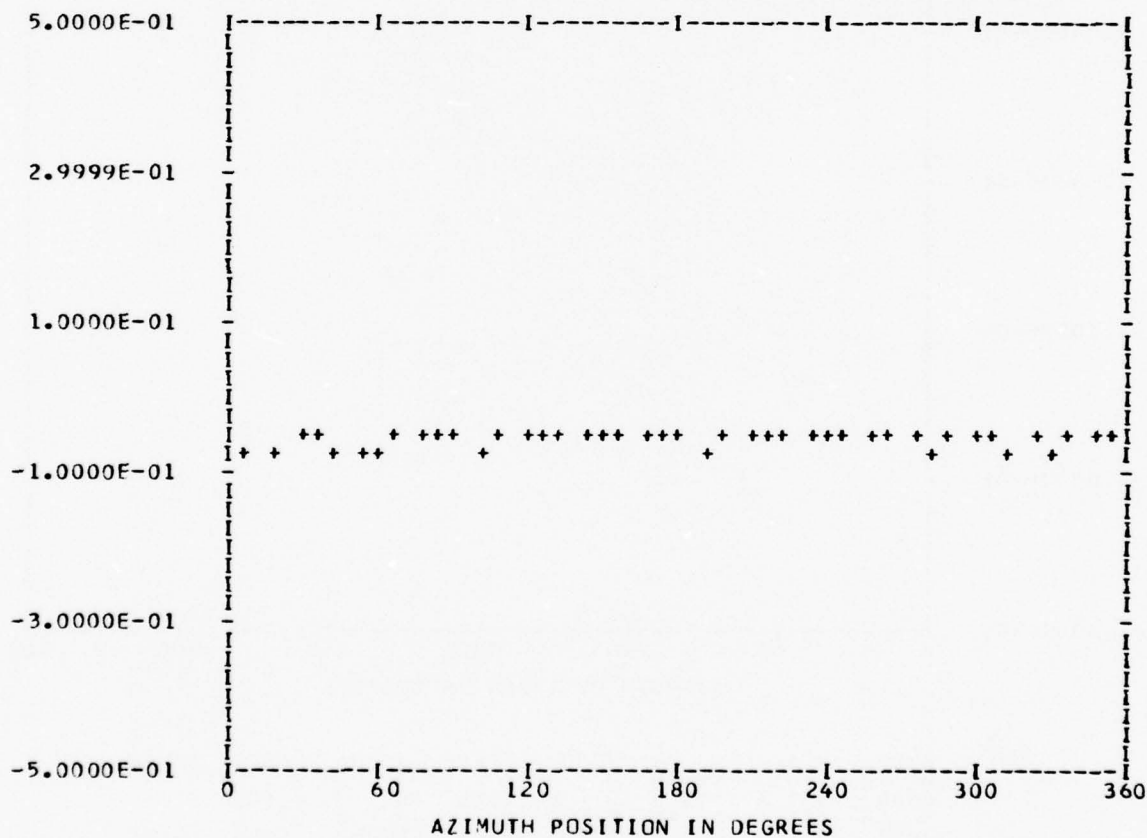
*** DATA ANALYSIS ***
ENTERED   43   RUN   11
OUT OF RANGE   0   TP   5
BANDEDGE   0   CHAN   46

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10901E 00	1	-0.32536E-03	-0.17664E-02	0.17962E-02	190.4
	2	-0.18134E-02	0.49913E-03	0.18808E-02	285.3
	3	-0.26008E-02	-0.18670E-03	0.26075E-02	265.8
	4	0.21208E-01	0.41577E-02	0.21612E-01	78.9
	5	-0.53110E-03	-0.28930E-02	0.29413E-02	190.4
	6	0.97753E-03	0.50370E-03	0.10996E-02	62.7
	7	-0.20445E-02	0.11333E-02	0.23376E-02	298.9
	8	0.90201E-02	0.25658E-02	0.93780E-02	74.1
	9	-0.18173E-03	-0.14849E-02	0.14960E-02	186.9
	10	0.88444E-03	-0.50060E-04	0.88586E-03	93.2

MAX= 0.15341E 00   MIN= 0.88494E-01 PEAK TO PEAK/2= 0.32458E-01

AZIMUTH POSITION IN DEGREES

121

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS099.3  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                          RUN    11
ENTERED              44                                        TP      5
OUT OF RANGE          0                                        CHAN   51
BANDEDGE             44
                              HARMONIC ANALYSIS SKIPPED
```
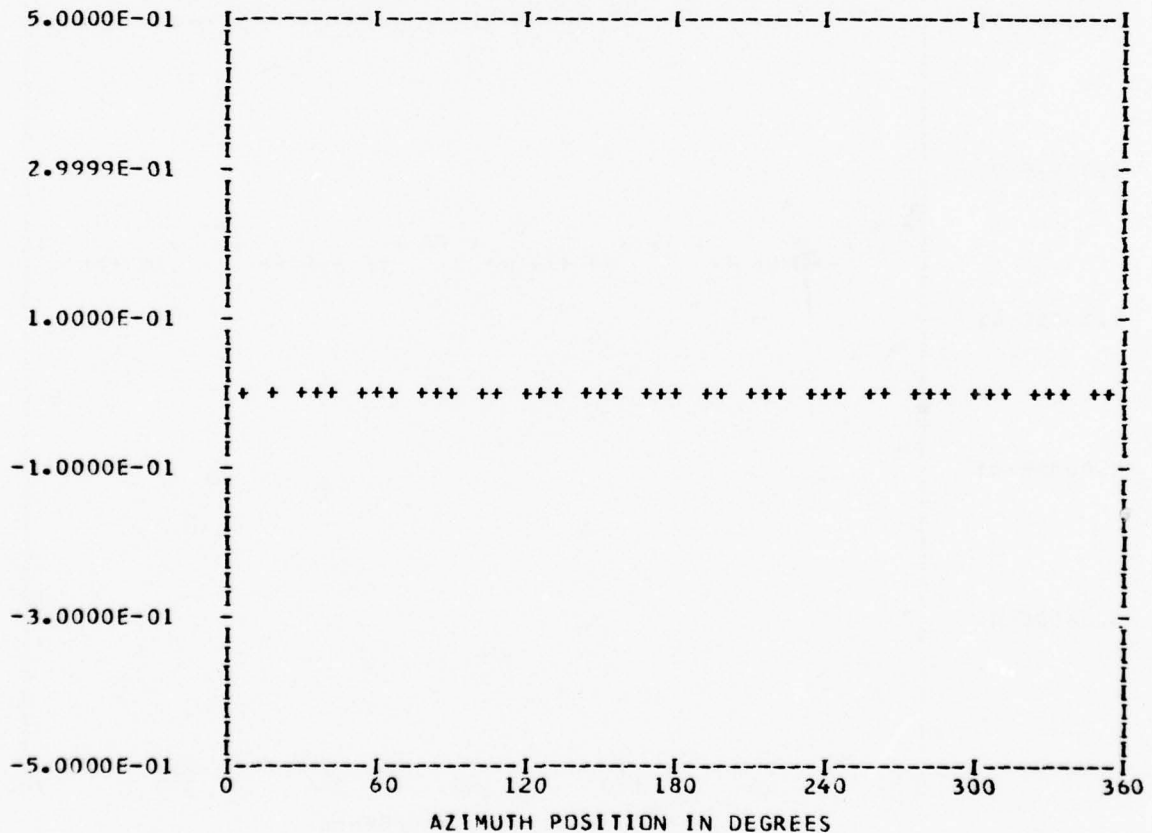
```
            MAX=-0.21807E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.00000E 00
   5.0000E-01  I--------I---------I---------I---------I---------I---------I
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
   2.9999E-01  -                                                          -
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
   1.0000E-01  -                                                          -
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
  -1.0000E-01  -                                                          -
               I                                                          I
               I                                                          I
               I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
               I                                                          I
  -3.0000E-01  -                                                          -
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
               I                                                          I
  -5.0000E-01  I--------I---------I---------I---------I---------I---------I
               0        60       120       180       240       300      360
                        AZIMUTH POSITION IN DEGREES
```

```
            BBBB     A    N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
            B   B   A A   NN  N  D   D  E      D   D  G      E
            BBBB   A   A  N N N  D   D  EEEE   D   D  G GGG  EEEE
            B   B  AAAAA  N  NN  D   D  E      D   D  G   G  E
            BBBB   A   A  N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
```
                                   122

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.1   WAVEFORM ***
*** CYCLE   O   ***

*** DATA ANALYSIS ***					RUN	11
ENTERED	44				TP	5
OUT OF RANGE	0				CHAN	55
BANDEDGE	0					

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.51997E-02	1	-0.10323E-01	0.95405E-03	0.10367E-01	275.2
	2	0.18488E-03	0.34950E-02	0.34999E-02	3.0
	3	-0.21514E-02	-0.20382E-02	0.29636E-02	226.5
	4	0.56068E-02	-0.16311E-01	0.17248E-01	161.0
	5	-0.33469E-02	-0.32949E-02	0.46966E-02	225.4
	6	-0.14085E-03	-0.10561E-02	0.10655E-02	187.5
	7	-0.47968E-03	-0.20285E-02	0.20844E-02	193.3
	8	0.18749E-02	-0.52628E-02	0.55868E-02	160.3
	9	-0.12355E-02	0.20472E-03	0.12523E-02	279.4
	10	0.26665E-04	-0.73691E-03	0.73739E-03	177.9

MAX= 0.28909E-01   MIN=-0.39246E-01   PEAK TO PEAK/2= 0.34078E-01

AZIMUTH POSITION IN DEGREES

123

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.11266E 00	1	0.14404E-02	0.14677E-01	0.14748E-01	5.6
	2	0.24327E-02	0.81711E-03	0.25663E-02	71.4
	3	-0.55834E-02	0.44018E-02	0.71099E-02	308.2
	4	-0.16376E-01	-0.65937E-02	0.17653E-01	248.0
	5	-0.22048E-02	0.24753E-02	0.33149E-02	318.3
	6	-0.17689E-03	-0.27081E-03	0.32347E-03	213.1
	7	-0.20984E-02	0.93466E-03	0.22972E-02	294.0
	8	-0.29038E-02	-0.43240E-02	0.52086E-02	213.8
	9	-0.11882E-03	0.15668E-02	0.15713E-02	355.6
	10	0.65920E-03	-0.10834E-02	0.12682E-02	148.6

MAX=-0.80006E-01 MIN=-0.14780E 00 PEAK TO PEAK/2= 0.33901E-01
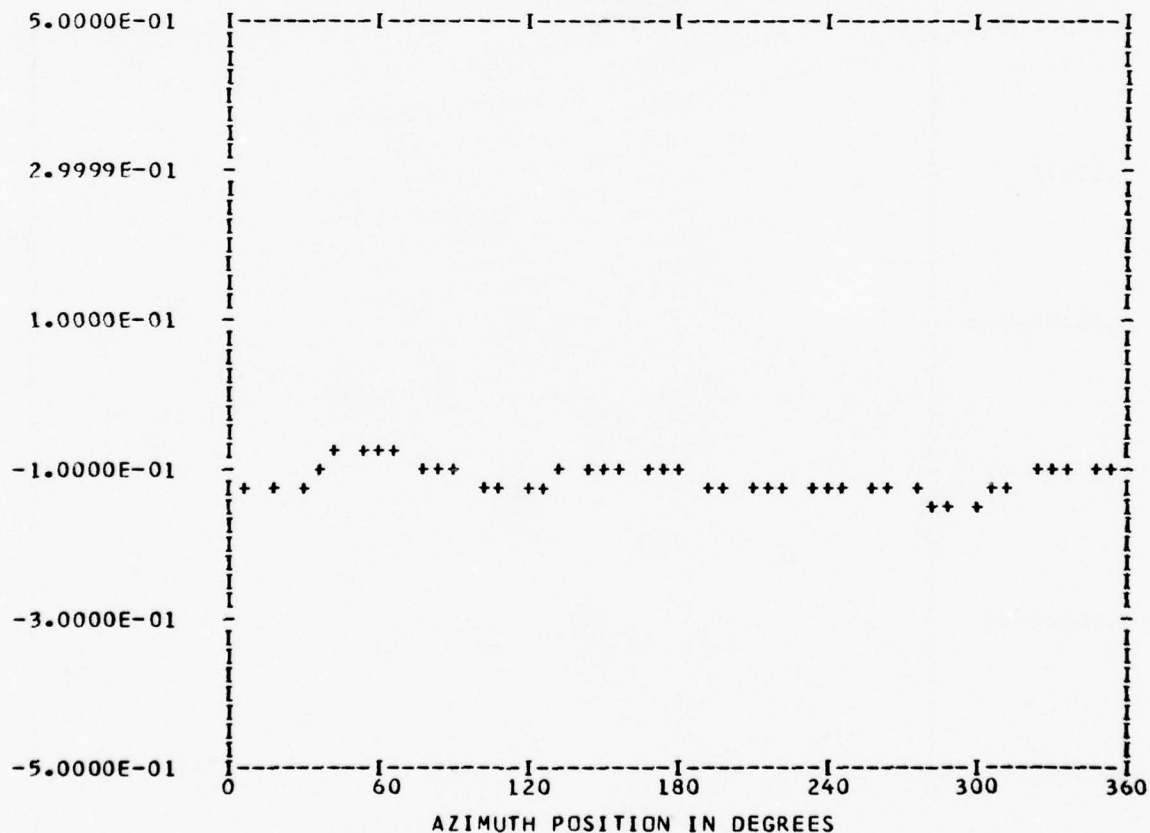
AZIMUTH POSITION IN DEGREES

124

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***		RUN	11
ENTERED	44	TP	5
OUT OF RANGE	0	CHAN	58
BANDEDGE	0		

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.69673E-01	1	0.81618E-02	0.76171E-03	0.81972E-02	84.6
	2	0.11437E-01	-0.67717E-02	0.13291E-01	120.6
	3	-0.11073E-02	0.21588E-02	0.24263E-02	332.8
	4	-0.32850E-01	0.34310E-02	0.33029E-01	275.9
	5	0.88242E-02	0.14030E-02	0.89351E-02	80.9
	6	0.77053E-02	-0.57677E-02	0.96249E-02	126.8
	7	-0.34253E-02	0.45156E-02	0.56678E-02	322.8
	8	-0.18280E-01	0.13789E-01	0.22898E-01	307.0
	9	0.10236E-01	-0.20133E-02	0.10432E-01	101.1
	10	0.42782E-02	-0.73861E-02	0.85356E-02	149.9

MAX=-0.38405E-01   MIN=-0.22687E 00   PEAK TO PEAK/2= 0.94236E-01

AZIMUTH POSITION IN DEGREES

125

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.4  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN    11
ENTERED            44                                        TP      5
OUT OF RANGE        0                                        CHAN   52
BANDEDGE            0
```
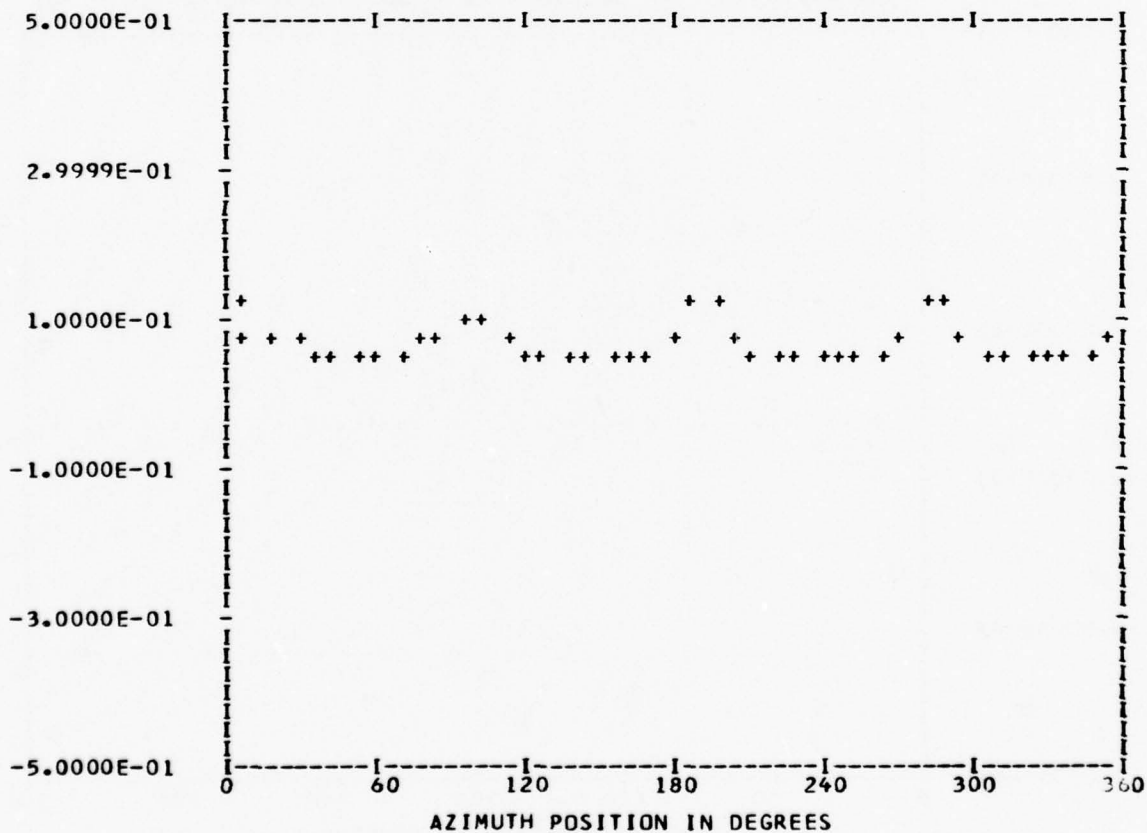
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.16434E 00	1	0.81198E-02	-0.29352E-02	0.86340E-02	109.8
	2	0.85212E-02	-0.25546E-02	0.88959E-02	106.6
	3	0.40612E-02	0.24028E-02	0.47188E-02	59.3
	4	-0.13439E-01	0.32326E-02	0.13823E-01	283.5
	5	0.59603E-02	-0.23290E-02	0.63991E-02	111.3
	6	0.63027E-02	-0.14687E-02	0.64716E-02	103.1
	7	0.70039E-03	0.32832E-02	0.33571E-02	12.0
	8	-0.15013E-01	0.38419E-02	0.15496E-01	284.3
	9	0.67549E-02	-0.96023E-03	0.68228E-02	98.0
	10	0.49652E-02	-0.11076E-02	0.50872E-02	102.5

```
        MAX= 0.19011E 00   MIN= 0.39694E-01   PEAK TC PEAK/2= 0.75210E-01
```


AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.5   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   43   TP   5
OUT OF RANGE   0   CHAN   47
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.24234E-01	1	-0.36649E-02	0.53015E-02	0.64450E-02	325.3
	2	0.11510E-02	0.10070E-02	0.15294E-02	48.8
	3	-0.24071E-02	-0.47053E-03	0.24526E-02	258.9
	4	0.87508E-02	-0.72291E-02	0.11350E-01	129.5
	5	-0.36520E-04	-0.24455E-02	0.24458E-02	180.8
	6	0.37976E-03	0.29417E-03	0.48038E-03	52.2
	7	-0.11806E-03	-0.11163E-02	0.11225E-02	186.0
	8	0.51525E-02	0.29749E-03	0.51611E-02	86.6
	9	0.21048E-02	-0.69010E-03	0.22150E-02	108.1
	10	0.42716E-03	-0.39094E-03	0.57905E-03	132.4

MAX= 0.47564E-01   MIN=-0.31438E-02   PEAK TO PEAK/2= 0.25354E-01
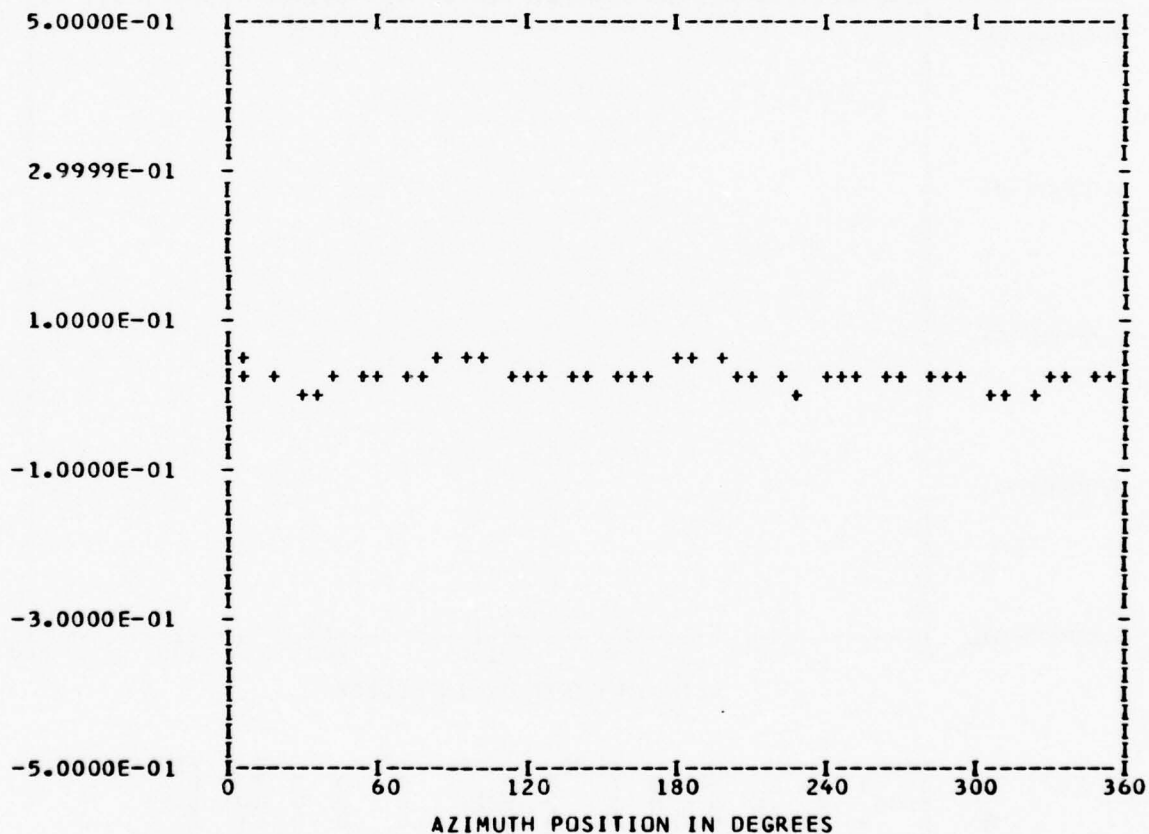
AZIMUTH POSITION IN DEGREES

127

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6   WAVEFORM ***
*** CYCLE   0   ***

```
*** DATA ANALYSIS ***                                                    RUN    11
ENTERED              44                                                  TP      5
OUT OF RANGE          0                                                  CHAN   50
BANDEDGE             44              HARMONIC ANALYSIS SKIPPED
```

MAX= 0.36109E 00   MIN= 0.36109E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.00000E-01  [---------I---------I---------I---------I---------I---------I---------I
             I                                                                   I
             I                                                                   I
             I                                                                   I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
2.9999E-01   -                                                                   -
             I                                                                   I
             I                                                                   I
             I                                                                   I
1.0000E-01   -                                                                   I
             I                                                                   I
             I                                                                   I
             I                                                                   I
-1.0000E-01  -                                                                   I
             I                                                                   I
             I                                                                   I
             I                                                                   I
-3.0000E-01  -                                                                   -
             I                                                                   I
             I                                                                   I
             I                                                                   I
-5.0000E-01  [---------I---------I---------I---------I---------I---------I---------I
             0         60        120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB    A       N   N   DDDD    EEEEE   DDDD        GGGG    EEEEE
B   B   A A     NN  N   D   D   E       D   D      G        E
BBBB    A A     N N N   D   D   EEEE    D   D      G GGG    EEEE
B   B  AAAAA    N  NN   D   D   E       D   D      G   G    E
BBBB    A   A   N   N   DDDD    EEEEE   DDDD        GGGG    EEEEE
```

128
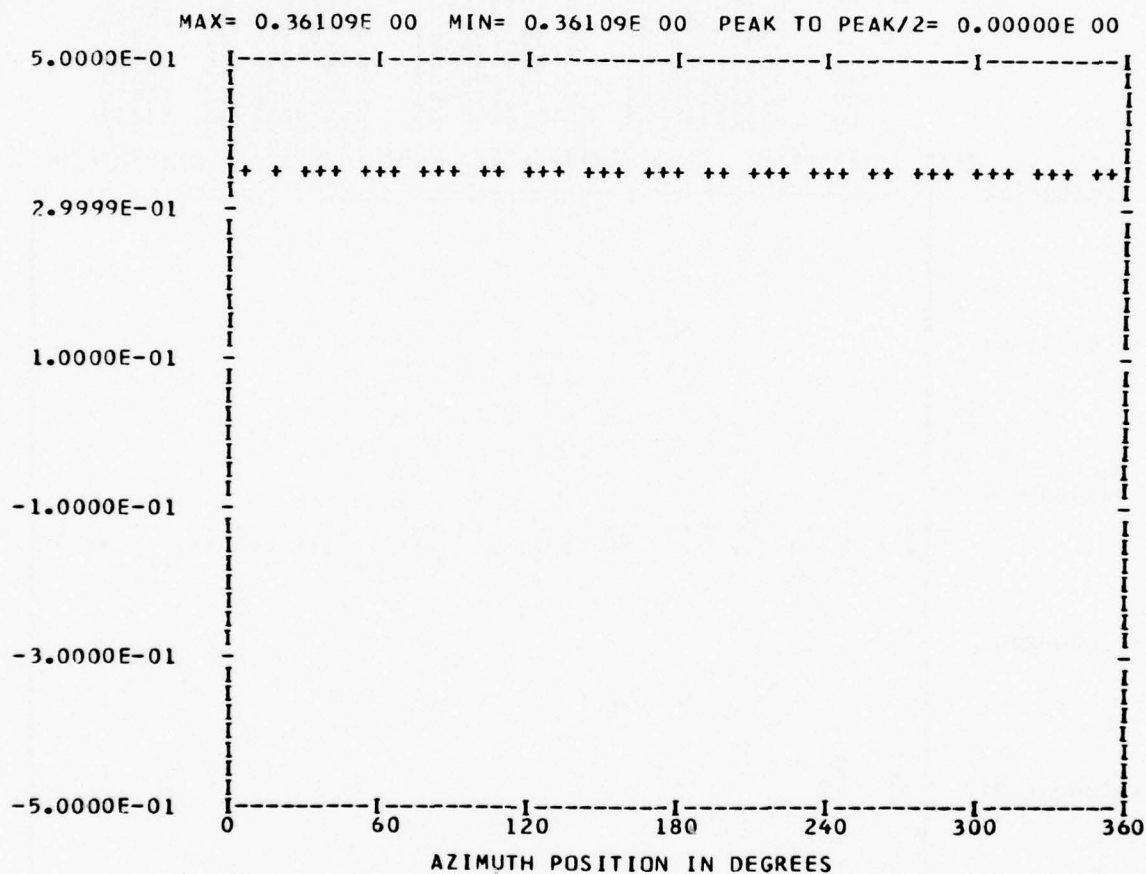
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

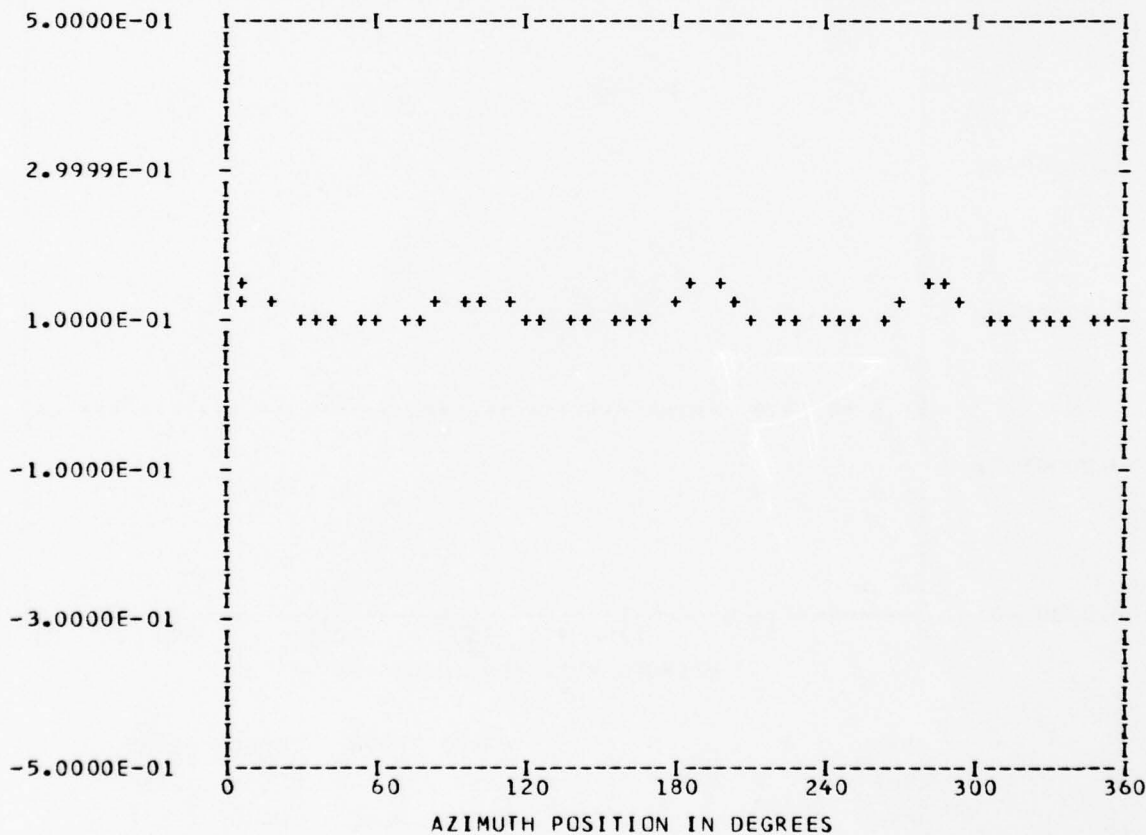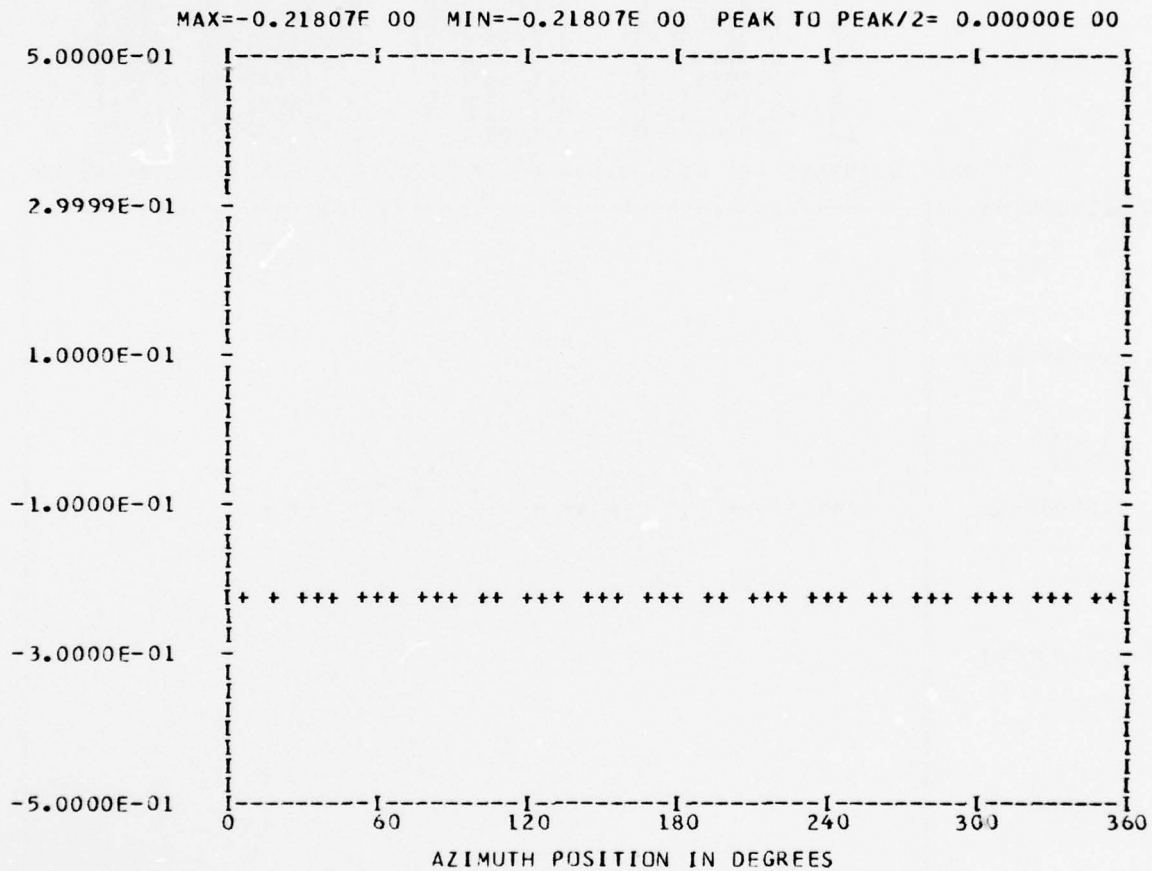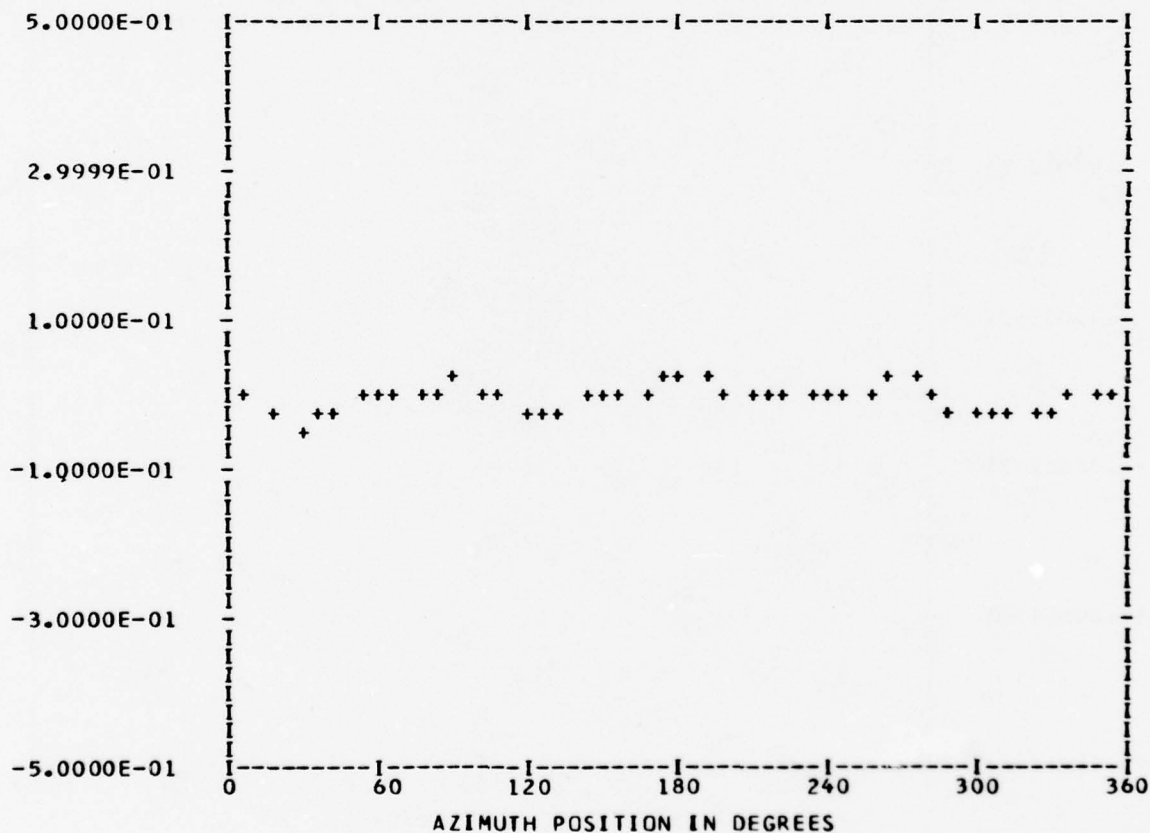*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   5
CHAN   61

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.97713E-01	1	0.15135E-02	0.12354E-01	0.12447E-01	6.9
	2	0.27583E-02	0.11007E-03	0.27605E-02	87.7
	3	-0.74790E-02	0.29792E-02	0.80506E-02	291.7
	4	-0.22367E-01	-0.55858E-02	0.23054E-01	255.9
	5	-0.33874E-02	0.33496E-02	0.47639E-02	314.6
	6	-0.11237E-02	0.12183E-02	0.16574E-02	317.3
	7	-0.27219E-02	-0.20646E-02	0.34163E-02	232.8
	8	-0.48754E-02	-0.48430E-02	0.68720E-02	225.1
	9	-0.15655E-02	0.11245E-02	0.19276E-02	305.6
	10	-0.10897E-02	-0.16007E-02	0.19364E-02	214.2

MAX=-0.62803E-01   MIN=-0.14815E 00   PEAK TC PEAK/2= 0.42673E-01

AZIMUTH POSITION IN DEGREES

129

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS112.2  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                                    RUN    11
ENTERED              43                                                   TP      5
OUT OF RANGE          0                                                   CHAN   48
BANDEDGE             43              HARMONIC ANALYSIS SKIPPED
```

MAX= 0.39895E 00   MIN= 0.39895E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I--------I---------I---------I---------I---------I---------I
             I                                                          I
             I                                                          I
             I+  +  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++  +++  ++I
             I                                                          I
             I                                                          I
2.9999E-01   -                                                          I
             I                                                          I
             I                                                          I
1.0000E-01   -                                                          -
             I                                                          I
             I                                                          I
-1.0000E-01  -                                                          I
             I                                                          I
             I                                                          I
-3.0000E-01  -                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
-5.0000E-01  I--------I---------I---------I---------I---------I---------I
             0        60        120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD    GGGG   EEEEE
B   B     A A    NN  N   D   D   E       D   D   G      E
BBBB     A   A   N N N   D   D   EEEE    D   D   G GGG  EEEE
B   B    AAAAA   N  NN   D   D   E       D   D   G   G  E
BBBB     A   A   N   N   DDDD    EEEEE   DDDD    GGGG   EEEEE
```

130

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
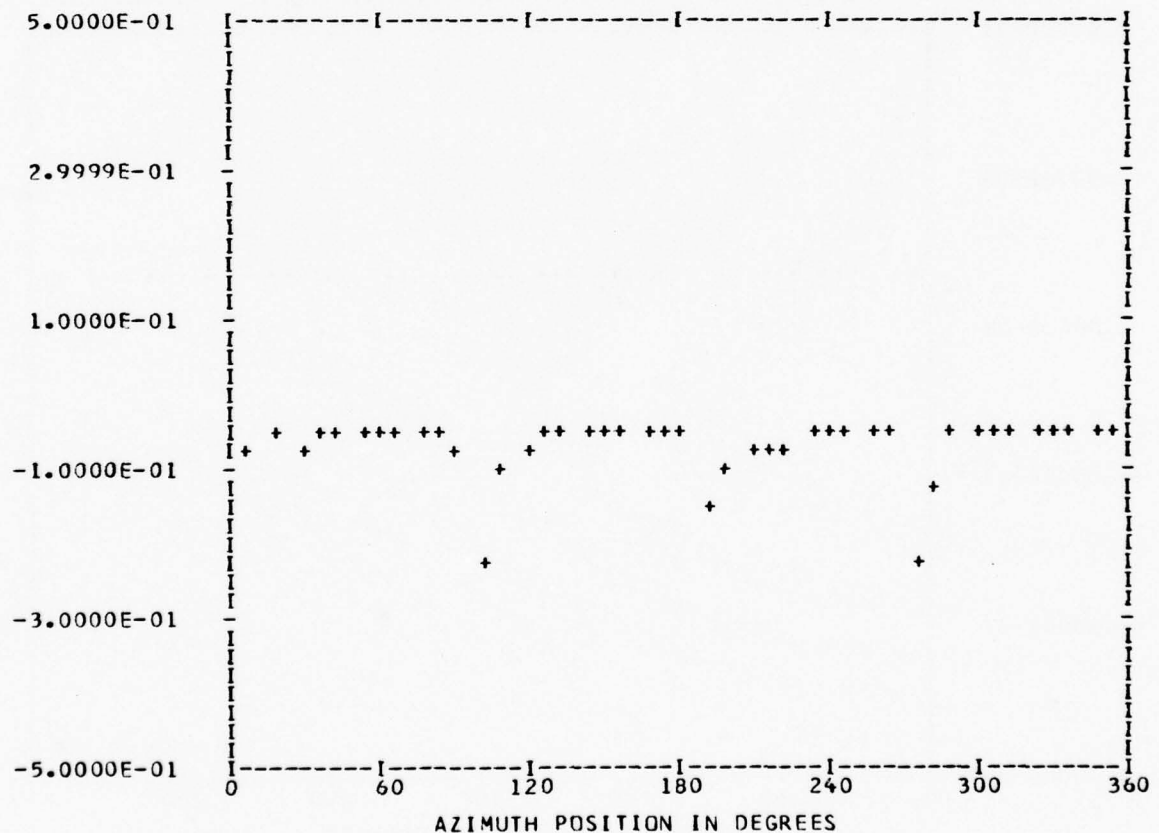
*** PS117.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   44   TP   5
OUT OF RANGE   0   CHAN   57
BANDEDGE   0

    STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
 -0.81557E-01   1   -0.13509E-02   0.11098E-02   0.17483E-02   309.4
                 2   0.72165E-03   -0.29313E-02   0.30189E-02   166.1
                 3   -0.41674E-03   -0.12973E-02   0.13626E-02   197.8
                 4   -0.66181E-05   -0.25926E-02   0.25926E-02   180.1
                 5   -0.17583E-02   0.22647E-03   0.17728E-02   277.3
                 6   -0.12824E-02   0.28387E-02   0.31149E-02   335.6
                 7   -0.73721E-03   -0.21737E-02   0.22953E-02   198.7
                 8   -0.30106E-02   0.26330E-02   0.39996E-02   311.1
                 9   -0.11815E-03   0.10787E-02   0.10852E-02   353.7
                10   -0.23759E-03   0.13593E-02   0.13799E-02   350.0

        MAX=-0.64462E-01   MIN=-0.96284E-01   PEAK TO PEAK/2= 0.15910E-01

AZIMUTH POSITION IN DEGREES

131

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                         *** PS117.2  WAVEFORM ***
                         ***        CYCLE    0     ***
*** DATA ANALYSIS ***                                              RUN    11
ENTERED            44                                              TP      5
OUT OF RANGE       44                                              CHAN   53
BANDEDGE            0

    STEADY      HARM   COS COEFF        SIN COEFF          RES        PHASE
-0.59789E 00     1    0.71929E-03      0.80287E-03     0.10779E-02     41.8
                 2   -0.15544E-03      0.54080E-04     0.16458E-03    289.1
                 3    0.11592E-03     -0.57657E-03     0.58811E-03    168.6
                 4    0.94384E-03     -0.24271E-02     0.26042E-02    158.7
                 5   -0.10720E-02     -0.48115E-03     0.11750E-02    245.8
                 6    0.41124E-03      0.37838E-03     0.55883E-03     47.3
                 7    0.10200E-03     -0.75418E-03     0.76105E-03    172.2
                 8   -0.10799E-02     -0.16394E-02     0.19631E-02    213.3
                 9   -0.34659E-04     -0.74524E-04     0.82189E-04    204.9
                10    0.38564E-03      0.27584E-03     0.47414E-03     54.4

      MAX=-0.54979E 00   MIN=-0.60343E 00   PEAK TC PEAK/2= 0.26818E-01
```
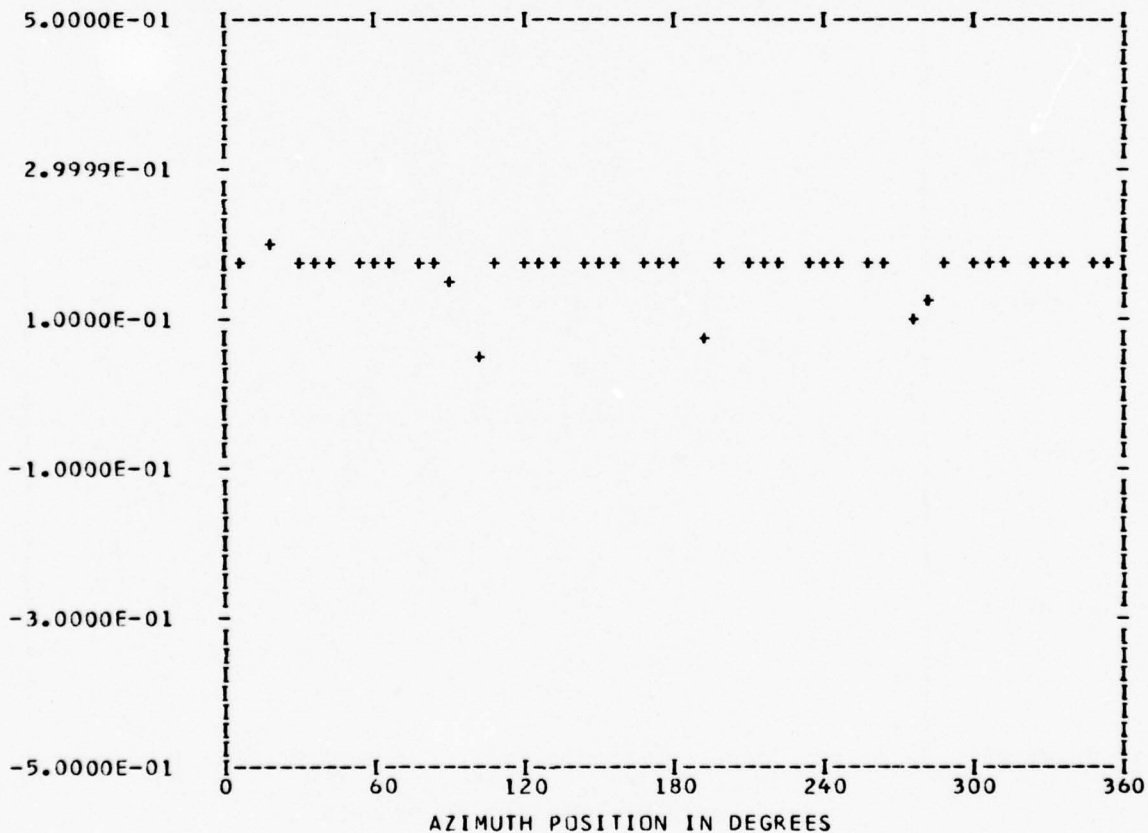

AZIMUTH POSITION IN DEGREES

132

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    ***  PS081.1   WAVEFORM  ***
                    ***       CYCLE    0      ***
*** DATA ANALYSIS ***                                          RUN    11
ENTERED              44                                        TP      9
OUT OF RANGE          0                                        CHAN   54
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.64620E-01	1	-0.23991E-02	-0.65524E-03	0.24870E-02	254.7
	2	0.54682E-03	-0.24398E-03	0.59878E-03	114.0
	3	-0.70694E-03	0.13006E-02	0.14803E-02	331.4
	4	0.94057E-02	-0.12351E-01	0.15525E-01	142.7
	5	-0.12562E-02	0.30939E-03	0.12937E-02	283.8
	6	0.16051E-03	-0.24562E-03	0.29342E-03	146.8
	7	0.31366E-03	0.58224E-03	0.66135E-03	28.3
	8	-0.37467E-03	-0.56833E-02	0.56956E-02	183.7
	9	-0.18882E-03	0.70497E-04	0.20155E-03	290.4
	10	-0.18265E-03	-0.75733E-03	0.77904E-03	193.5

```
     MAX=-0.35615E-01   MIN=-0.76530E-01   PEAK TO PEAK/2= 0.20457E-01
```


AZIMUTH POSITION IN DEGREES

133

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                          *** PSO81.2  WAVEFORM ***
                          ***        CYCLE   0       ***
*** DATA ANALYSIS ***                                            RUN    11
ENTERED            44                                            TP      9
OUT OF RANGE        0                                            CHAN   59
BANDEDGE            0
```
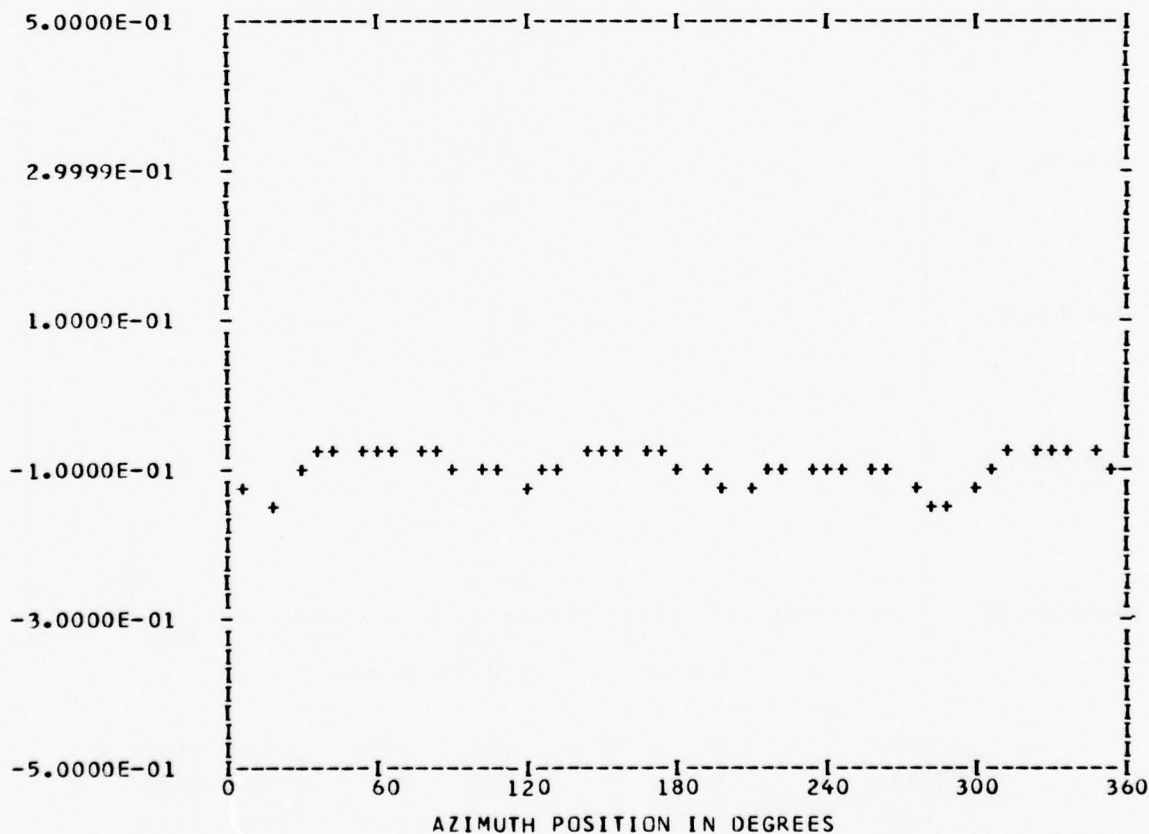
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.11351E-04	1	0.47063E-04	0.26825E-04	0.54171E-04	60.3
	2	0.22886E-04	0.42354E-04	0.48142E-04	28.3
	3	0.73922E-05	0.20327E-04	0.21629E-04	19.9
	4	0.15696E-05	0.14481E-04	0.14565E-04	6.1
	5	-0.66699E-04	0.38547E-04	0.77037E-04	300.0
	6	-0.83874E-04	0.13642E-04	0.84976E-04	279.2
	7	-0.66686E-04	0.16105E-05	0.66705E-04	271.3
	8	-0.58128E-04	-0.23636E-04	0.62750E-04	247.8
	9	-0.36846E-04	-0.94639E-05	0.38042E-04	255.5
	10	0.14615E-05	0.83901E-06	0.16852E-05	60.1

MAX= 0.71354E-03 MIN=-0.35677E-03 PEAK TO PEAK/2= 0.53515E-03

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 2.9999E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
              I                                                          I
              I                                                          I
-1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-3.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300      360
```

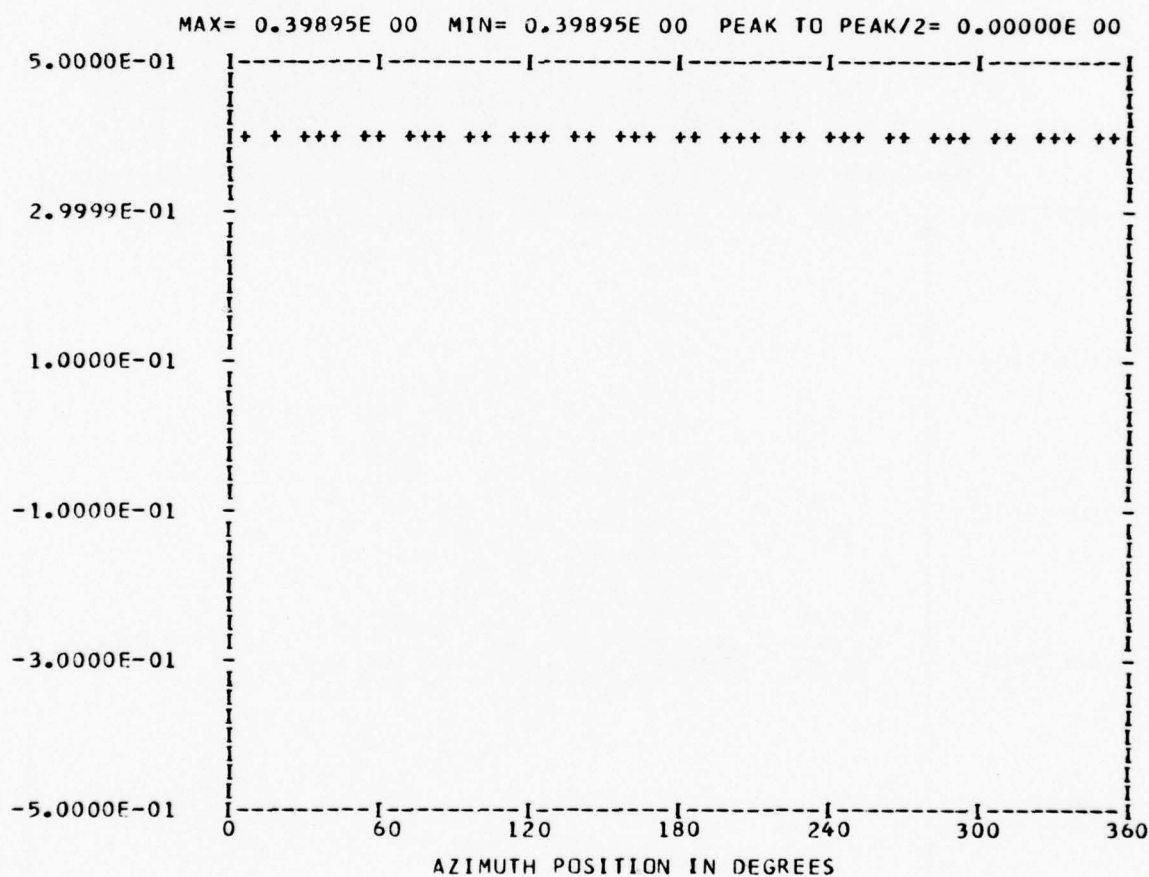AZIMUTH POSITION IN DEGREES

134

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

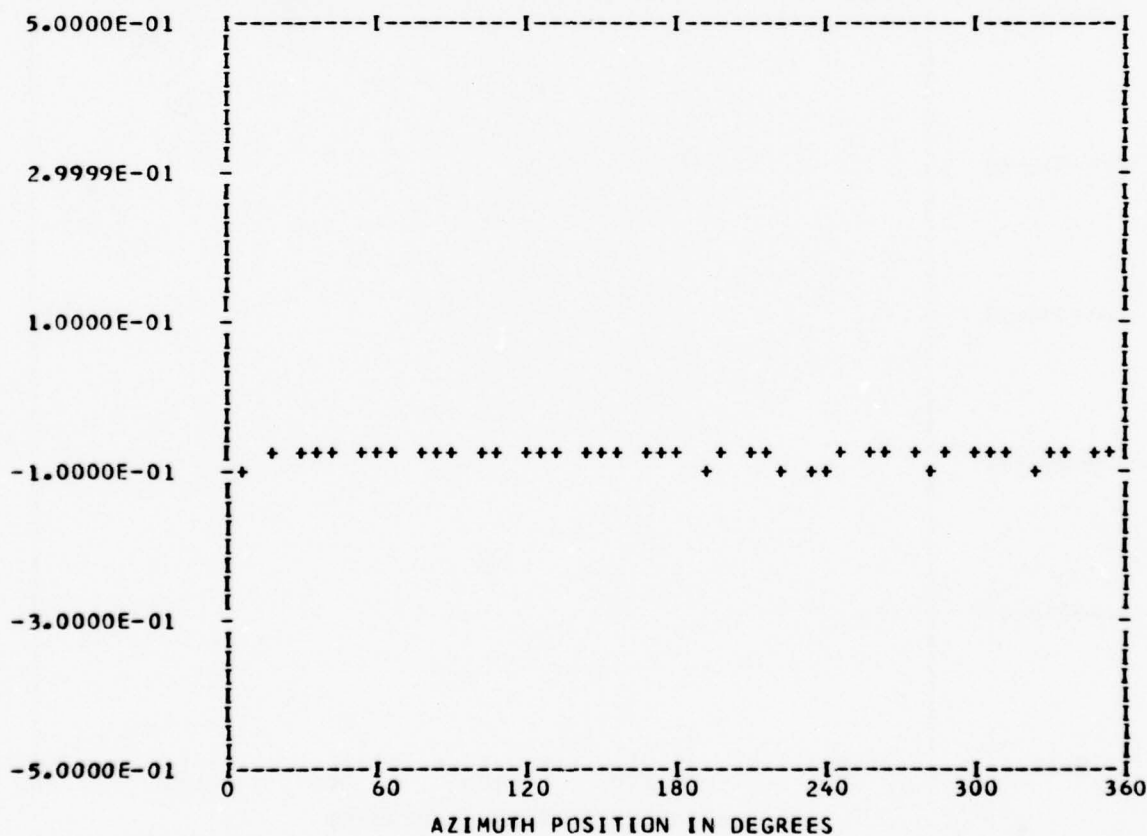*** PS081.3   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   9
CHAN   49

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.19834E 00	1	0.24875E-03	-0.95966E-03	0.99138E-03	165.4
	2	0.11147E-02	0.34338E-03	0.11664E-02	72.8
	3	-0.15469E-02	0.11898E-03	0.15515E-02	274.3
	4	0.15710E-01	0.74746E-02	0.17398E-01	64.5
	5	-0.16645E-02	-0.29978E-03	0.16913E-02	259.7
	6	0.12071E-02	0.23919E-03	0.12306E-02	78.7
	7	-0.16591E-03	0.48890E-03	0.51628E-03	341.2
	8	0.23877E-02	0.28147E-02	0.36910E-02	40.3
	9	0.50117E-03	-0.15987E-04	0.50142E-03	91.8
	10	0.23035E-03	-0.35496E-04	0.23307E-03	98.7

MAX= 0.22531E 00   MIN= 0.17974E 00   PEAK TO PEAK/2= 0.22787E-01

AZIMUTH POSITION IN DEGREES

135

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                         *** PS089.1   WAVEFORM ***
                         ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                          RUN    11
ENTERED            44                                          TP      9
OUT OF RANGE        0                                          CHAN   45
BANDEDGE            0

        STEADY    HARM    COS COEFF         SIN COEFF          RES        PHASE
      0.47575E-02   1   -0.19357E-02      0.67558E-02      0.70276E-02    344.0
                    2   -0.15080E-02     -0.89403E-03      0.17531E-02    239.3
                    3    0.10570E-01     -0.14537E-02      0.10670E-01     97.8
                    4    0.23065E-01      0.14039E-02      0.23107E-01     86.5
                    5    0.44572E-02      0.23484E-02      0.50381E-02     62.2
                    6    0.58992E-02      0.13854E-02      0.60597E-02     76.7
                    7   -0.14206E-03      0.28321E-02      0.28357E-02    357.1
                    8    0.68000E-02      0.60870E-03      0.68272E-02     84.8
                    9   -0.16491E-02      0.19225E-02      0.25329E-02    319.3
                   10   -0.18410E-02      0.12838E-03      0.18455E-02    273.9

      MAX= 0.55439E-01   MIN=-0.35446E-01   PEAK TC PEAK/2= 0.45443E-01
```


AZIMUTH POSITION IN DEGREES

136

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

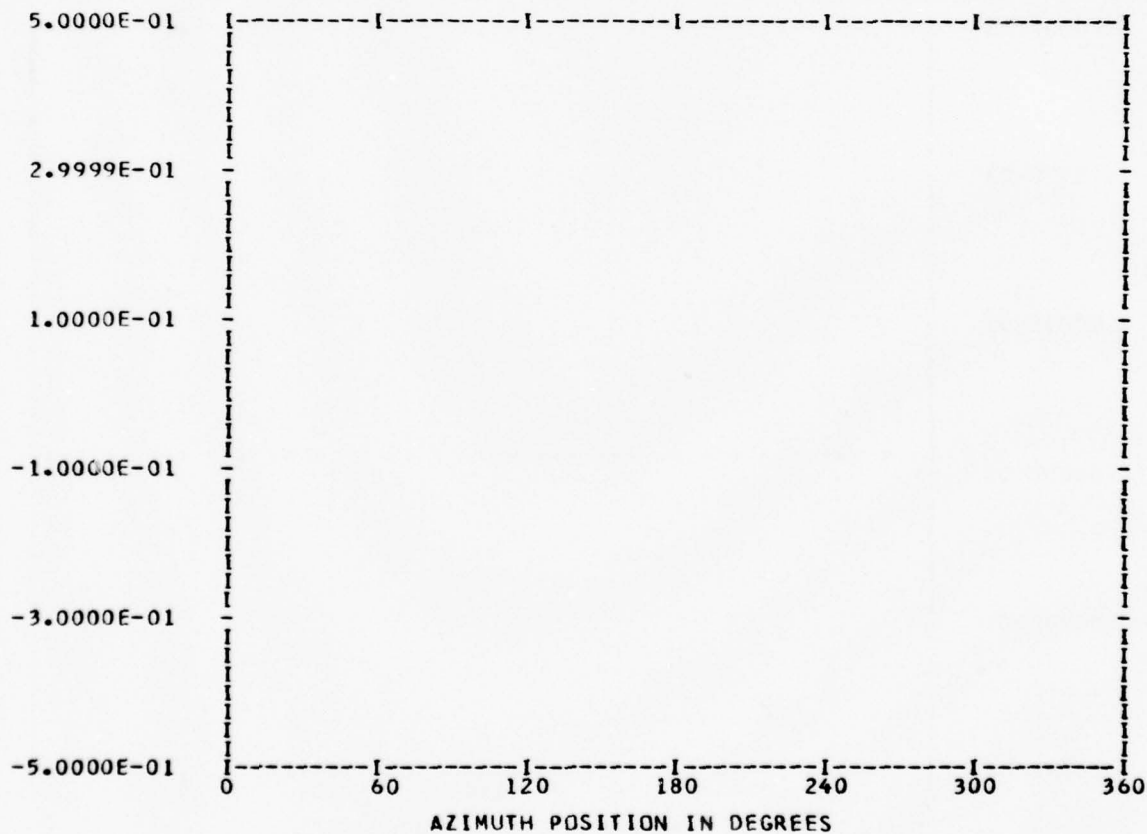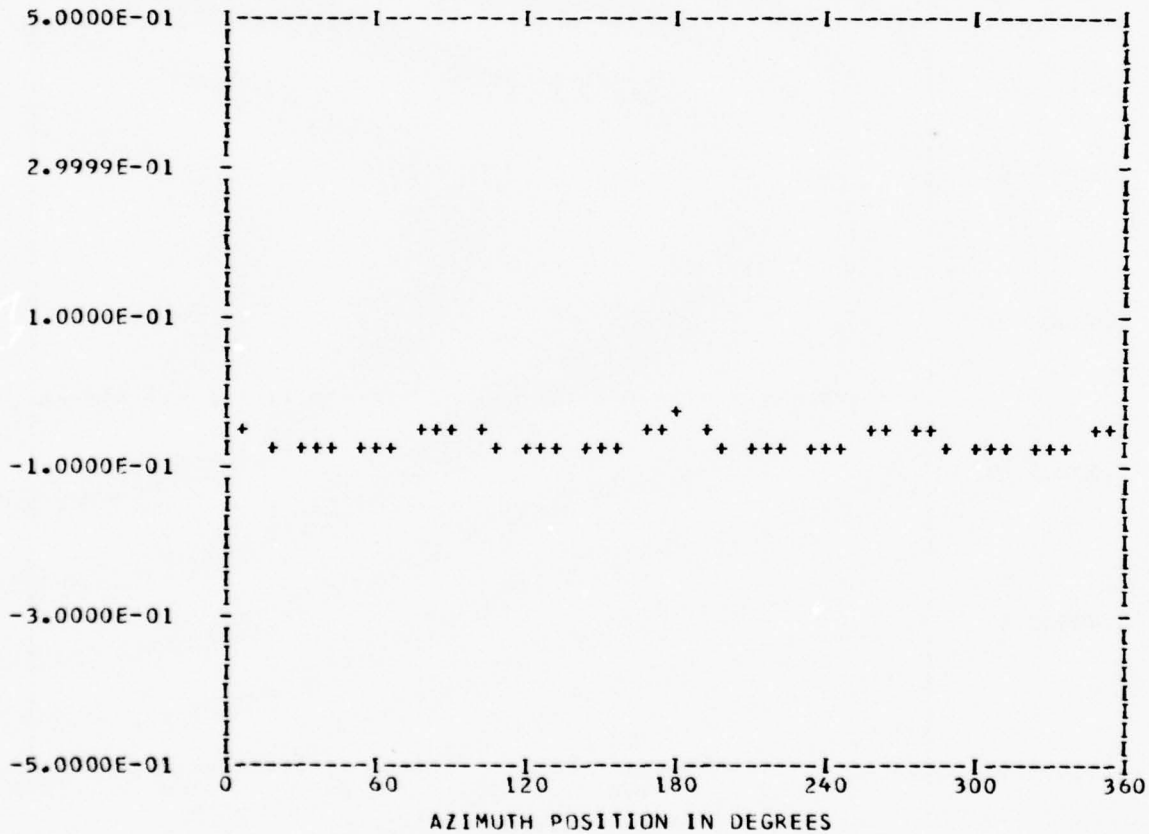*** PS099.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   9
CHAN   56

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10114E 00	1	0.86186E-02	-0.55541E-03	0.86365E-02	93.6
	2	0.95130E-02	-0.72386E-02	0.11953E-01	127.2
	3	-0.11459E-01	0.76876E-02	0.13798E-01	303.8
	4	0.87497E-02	-0.11328E-01	0.14313E-01	142.3
	5	-0.30929E-02	-0.12347E-02	0.33303E-02	248.2
	6	0.17016E-02	0.66067E-03	0.18253E-02	68.7
	7	-0.11549E-02	0.16132E-03	0.11662E-02	277.9
	8	-0.17440E-03	-0.69641E-02	0.69663E-02	181.4
	9	-0.14039E-02	0.43632E-04	0.14045E-02	271.7
	10	0.58197E-03	-0.49649E-03	0.76498E-03	130.4

MAX= 0.14475E 00   MIN= 0.65101E-01   PEAK TO PEAK/2= 0.39825E-01
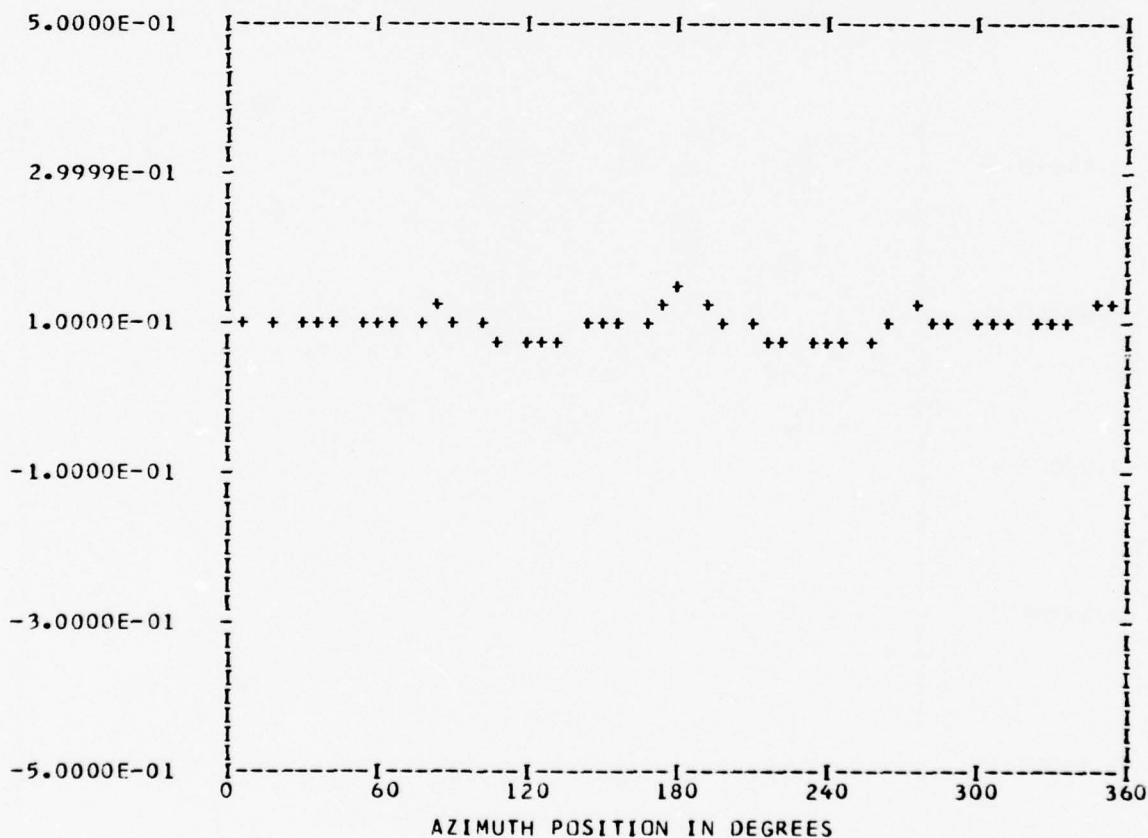
AZIMUTH POSITION IN DEGREES

137

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.2 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   44   TP   9
OUT OF RANGE   0   CHAN   46
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.47637E-01	1	-0.63421E-02	0.27951E-03	0.63483E-02	272.5
	2	-0.14817E-02	0.33243E-02	0.36396E-02	335.9
	3	-0.10920E-01	-0.65541E-02	0.12736E-01	239.0
	4	0.66702E-02	-0.25162E-02	0.71290E-02	110.6
	5	-0.54290E-02	0.12545E-04	0.54290E-02	270.1
	6	-0.34712E-02	-0.25923E-02	0.43323E-02	233.2
	7	-0.32977E-02	-0.46947E-02	0.57372E-02	215.0
	8	0.18770E-02	-0.60378E-02	0.63228E-02	162.7
	9	0.22583E-02	-0.10802E-02	0.25033E-02	115.5
	10	0.68701E-02	-0.49525E-02	0.84691E-02	125.7

MAX= 0.85617E-01   MIN= 0.17511E-02   PEAK TC PEAK/2= 0.41933E-01

AZIMUTH POSITION IN DEGREES

138

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                          RUN    11
ENTERED               44                                       TP      9
OUT OF RANGE           0                                       CHAN   51
BANDEDGE              44            HARMONIC ANALYSIS SKIPPED
```

MAX=-0.21807E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01   I--------I---------I---------I---------I---------I---------I
              II                                                        I
              II.                                                       I
              II                                                        I
              II                                                        I
 2.9999E-01  -II                                                       -I
              II                                                        I
              II                                                        I
              II                                                       II
              II                                                       II
 1.0000E-01  -II                                                       -I
              II                                                       II
              II                                                       II
              II                                                       II
              II                                                        I
-1.0000E-01  -II                                                       -I
              II                                                        I
              II                                                        I
              II                                                        I
              I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
              II                                                        I
-3.0000E-01  -II                                                       -I
              II                                                        I
              II                                                        I
              II                                                        I
              II                                                        I
-5.0000E-01   I--------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A      N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
B    B   A A    NN  N  D   D  E      D   D  G       E
BBBB    A   A   N N N  D   D  EEEE   D   D  G  GGG  EEEE
B    B  AAAAA   N  NN  D   D  E      D   D  G    G  E
BBBB    A   A   N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```

139

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
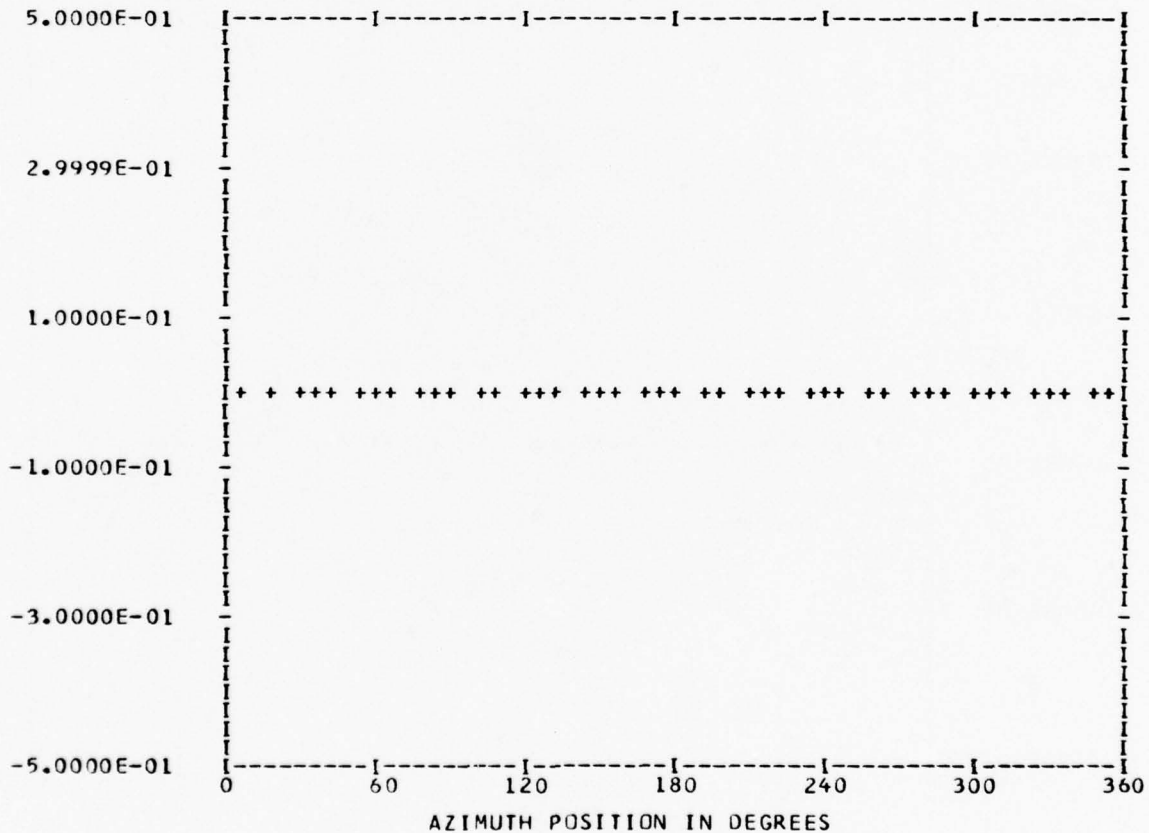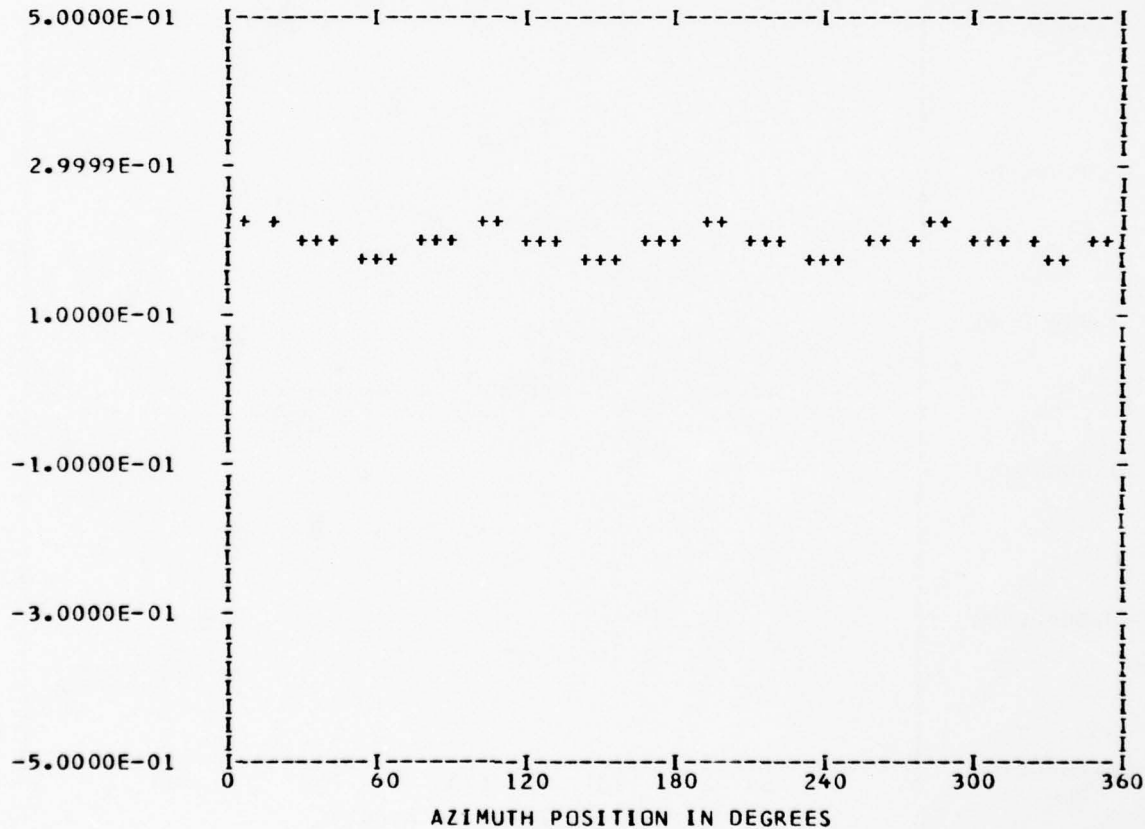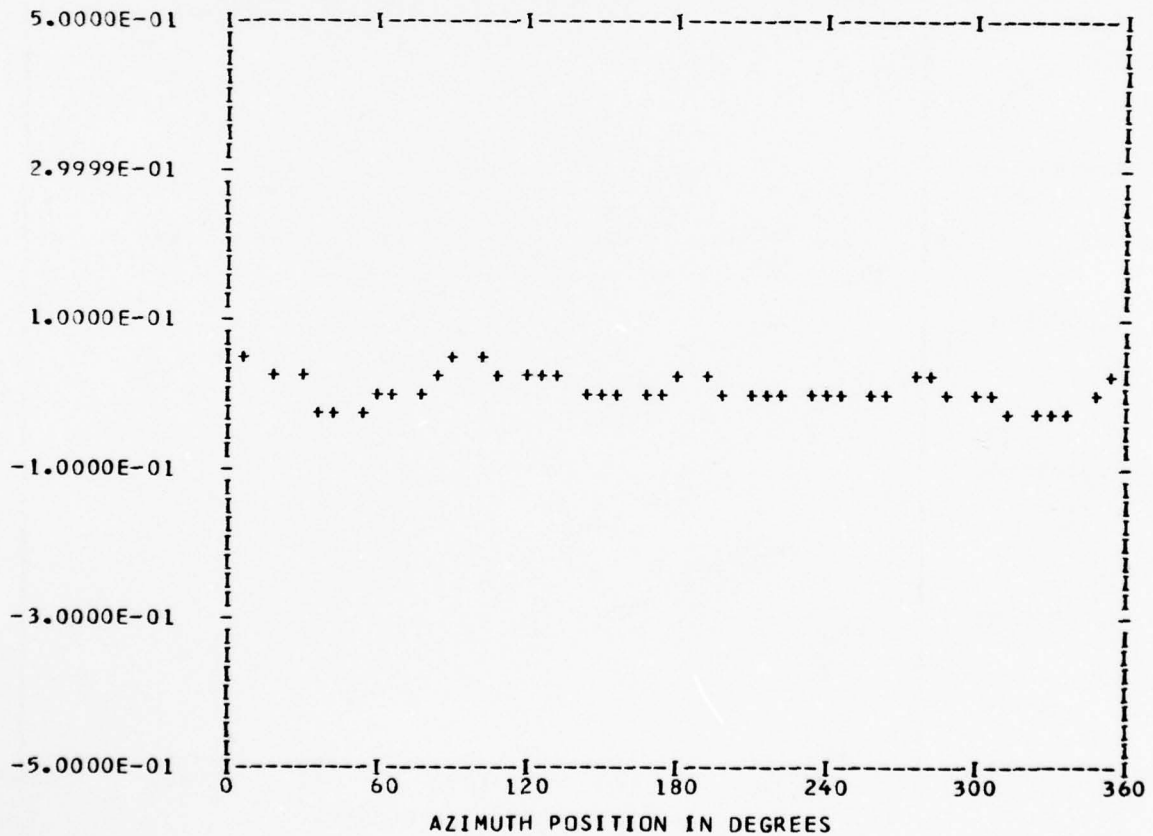
*** PS107.1 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   9
CHAN   55

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.59854E-01	1	-0.19810E-02	-0.66042E-02	0.68950E-02	196.6
	2	0.28647E-02	-0.65126E-02	0.11820E-01	123.4
	3	-0.13251E-01	-0.48867E-02	0.14124E-01	249.7
	4	0.22140E-02	-0.45146E-02	0.50283E-02	153.8
	5	-0.65022E-03	-0.24976E-02	0.25808E-02	194.5
	6	-0.21623E-02	-0.23776E-02	0.32138E-02	222.2
	7	-0.64391E-03	-0.12560E-02	0.14115E-02	207.1
	8	-0.80448E-03	-0.26005E-02	0.27221E-02	197.1
	9	-0.39375E-03	-0.32332E-03	0.50948E-03	230.6
	10	-0.87300E-04	-0.12387E-02	0.12418E-02	184.0

MAX= 0.90156E-01   MIN= 0.36703E-01   PEAK TO PEAK/2= 0.26726E-01

AZIMUTH POSITION IN DEGREES

140

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***		RUN	11
ENTERED	44	TP	9
OUT OF RANGE	0	CHAN	60
BANDEDGE	0		

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.67039E-01	1	-0.48368E-02	0.21021E-02	0.52738E-02	293.4
	2	-0.37516E-02	0.12543E-02	0.39558E-02	288.4
	3	0.12023E-01	-0.13246E-02	0.12096E-01	96.2
	4	0.56813E-03	-0.79664E-02	0.79866E-02	175.9
	5	-0.76436E-03	0.21943E-02	0.23236E-02	340.7
	6	0.13537E-02	-0.89314E-04	0.13566E-02	93.7
	7	0.16265E-02	0.10090E-02	0.19140E-02	58.1
	8	-0.24314E-02	-0.11792E-02	0.27023E-02	244.1
	9	0.84385E-04	0.41528E-03	0.42377E-03	11.4
	10	-0.39229E-03	0.70103E-03	0.80333E-03	330.7

MAX=-0.39664E-01 MIN=-0.89024E-01 PEAK TO PEAK/2= 0.24679E-01

AZIMUTH POSITION IN DEGREES

141

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***					RUN	11
ENTERED	44				TP	9
OUT OF RANGE	0				CHAN	58
BANDEDGE	0					

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.65443E-01	1	-0.16758E-02	0.25445E-02	0.30467E-02	326.6
	2	0.52440E-02	0.66714E-03	0.52862E-02	82.7
	3	-0.20104E-03	-0.95763E-03	0.97851E-03	191.8
	4	-0.45564E-02	-0.44430E-02	0.63640E-02	225.7
	5	-0.19965E-02	0.11124E-02	0.22855E-02	299.1
	6	0.79295E-03	0.19145E-03	0.81573E-03	76.4
	7	-0.43790E-03	0.10046E-02	0.10958E-02	336.4
	8	-0.59641E-03	-0.11735E-02	0.13164E-02	206.9
	9	-0.32675E-03	0.10279E-03	0.34254E-03	287.4
	10	0.45784E-04	-0.67887E-03	0.68041E-03	176.1

MAX=-0.50530E-01   MIN=-0.83032E-01   PEAK TO PEAK/2= 0.16251E-01
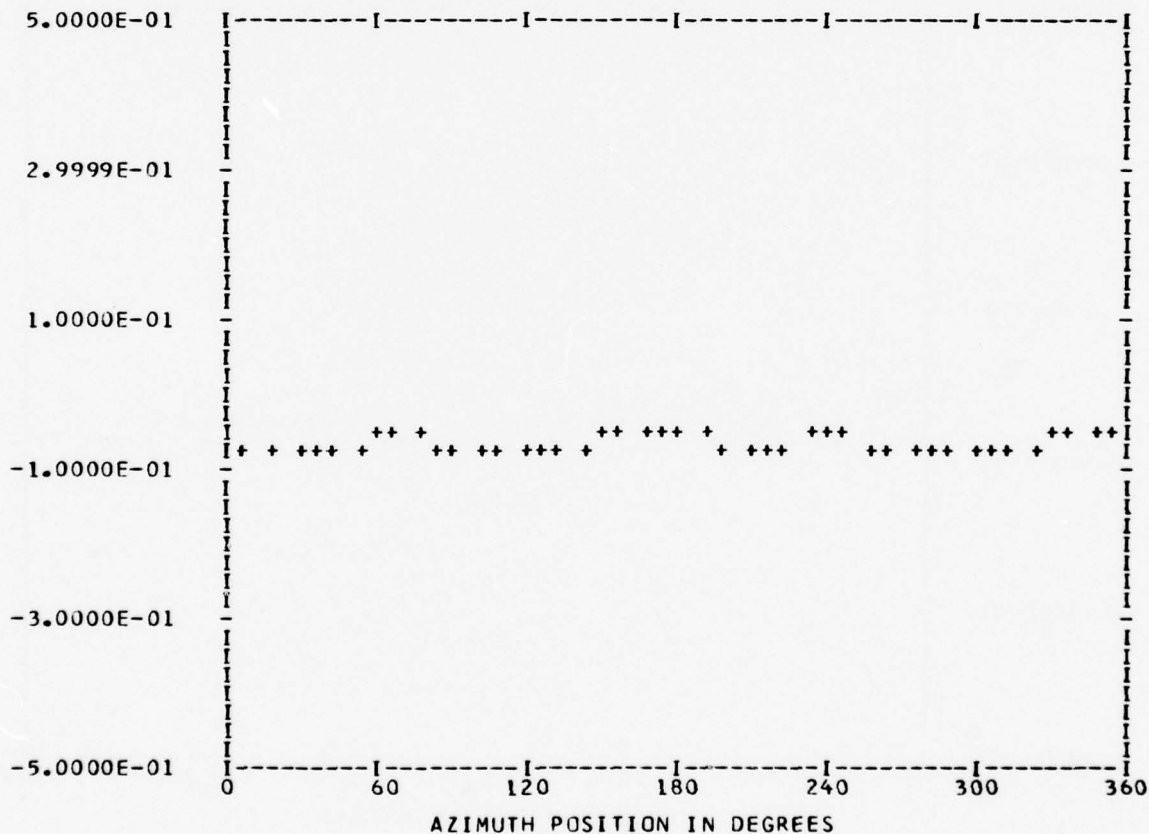
AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.4 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   44   TP   9
OUT OF RANGE   0   CHAN   52
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.15343E 00	1	0.45430E-02	0.67790E-02	0.81605E-02	33.8
	2	0.35342E-02	0.11364E-02	0.37124E-02	72.1
	3	-0.56491E-03	0.22289E-02	0.22993E-02	345.7
	4	-0.10082E-01	0.11168E-01	0.15046E-01	317.9
	5	-0.80563E-02	0.37886E-02	0.89027E-02	295.1
	6	-0.23936E-02	-0.31892E-02	0.39876E-02	216.8
	7	-0.13230E-02	-0.81466E-03	0.15537E-02	238.3
	8	-0.25205E-02	-0.19702E-02	0.31992E-02	231.9
	9	-0.63619E-03	-0.55460E-02	0.55824E-02	186.5
	10	0.44662E-02	-0.40483E-02	0.60279E-02	132.1

MAX= 0.22379E 00   MIN= 0.13024E 00   PEAK TO PEAK/2= 0.46776E-01

AZIMUTH POSITION IN DEGREES

143

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

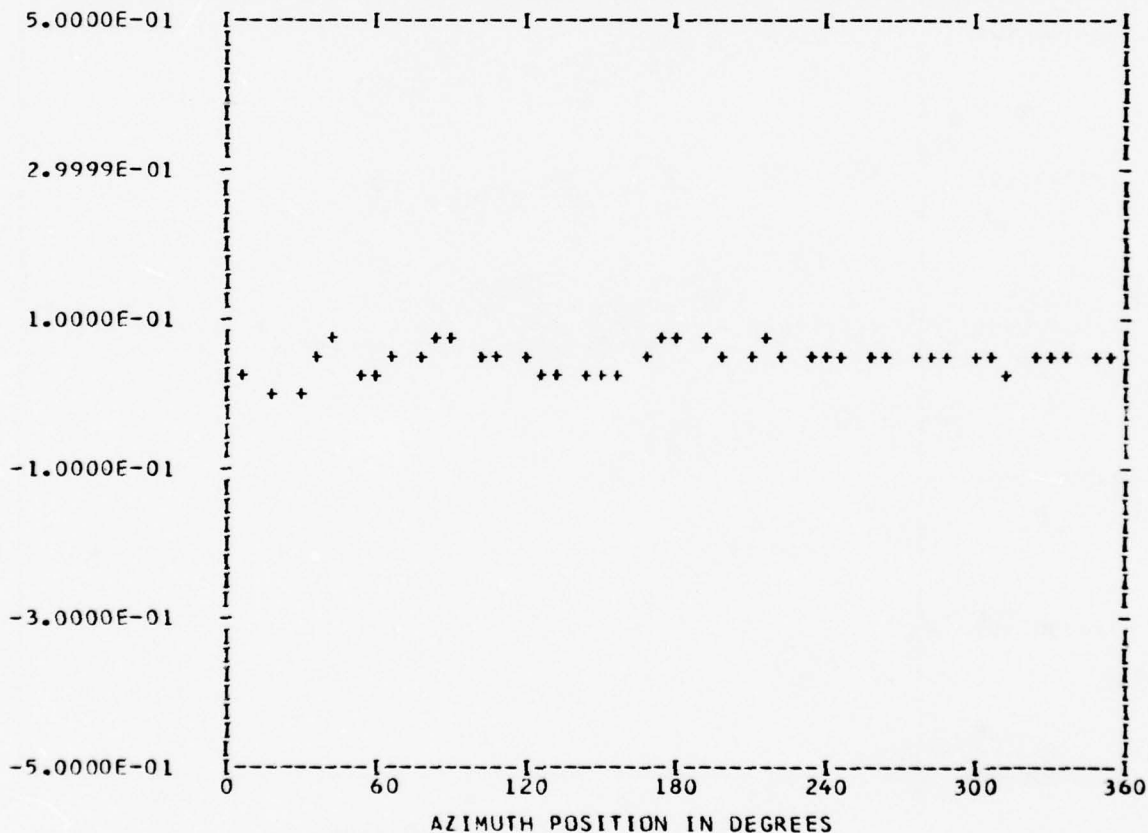*** PS107.5 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   11
TP   9
CHAN   47

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.70151E-01	1	0.24805E-02	-0.14209E-02	0.28586E-02	119.8
	2	0.10180E-02	-0.26069E-02	0.27986E-02	158.6
	3	-0.94431E-03	0.23659E-02	0.25474E-02	338.2
	4	0.69561E-02	0.23645E-02	0.73470E-02	71.2
	5	0.21879E-03	-0.14369E-02	0.14534E-02	171.3
	6	0.51839E-03	0.64110E-04	0.52234E-03	82.9
	7	-0.12189E-03	-0.28422E-03	0.30926E-03	203.2
	8	0.28905E-02	-0.17648E-02	0.33867E-02	121.4
	9	0.63589E-03	0.32569E-04	0.63673E-03	87.0
	10	0.68679E-03	0.90058E-03	0.11325E-02	37.3

MAX= 0.87794E-01   MIN= 0.57578E-01   PEAK TO PEAK/2= 0.15107E-01

AZIMUTH POSITION IN DEGREES

144

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   11
TP   9
CHAN   50

HARMONIC ANALYSIS SKIPPED
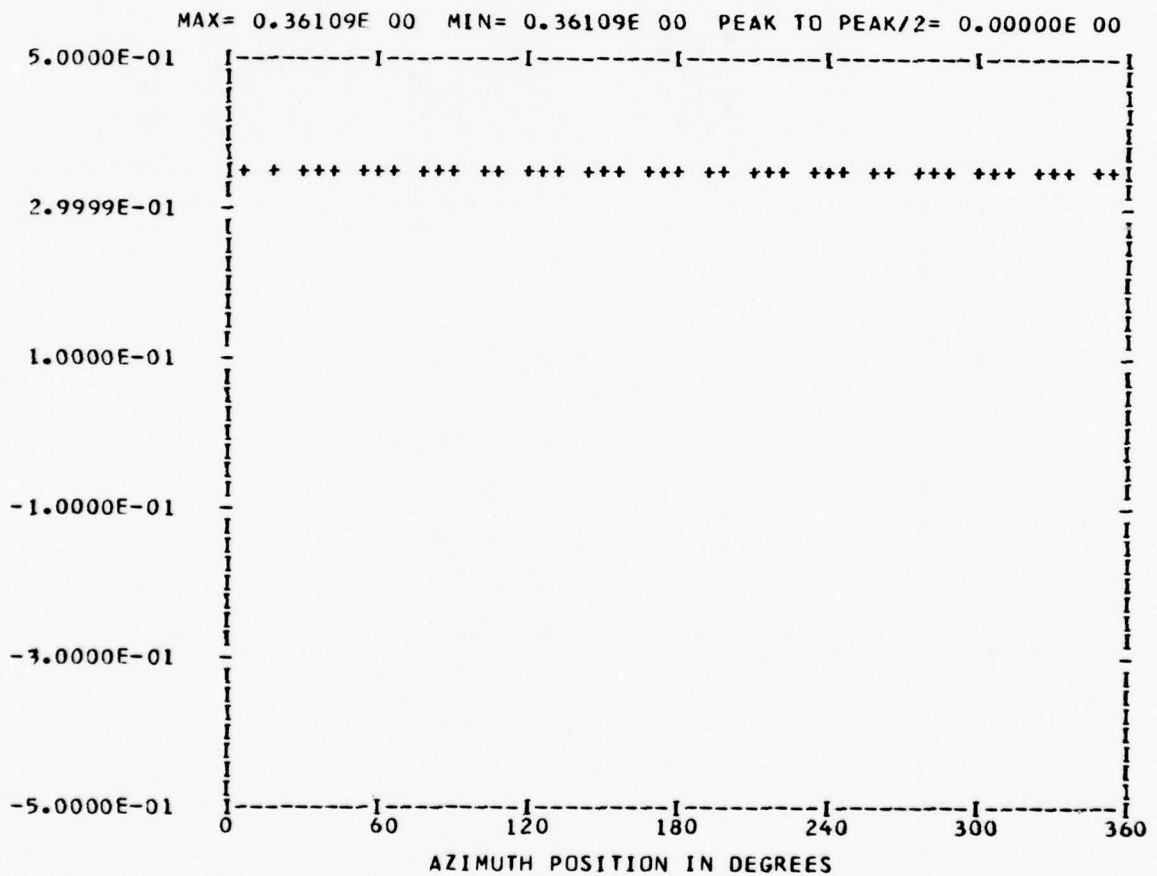
MAX= 0.36109E 00   MIN= 0.36109E 00   PEAK TO PEAK/2= 0.00000E 00

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD      GGGG   EEEEE
B    B   A A    NN  N   D   D   E       D   D    G        E
BBBB    A   A   N N N   D   D   EEEE    D   D    G  GG    EEEE
B    B  AAAAA   N  NN   D   D   E       D   D    G   G    E
BBBB    A    A  N   N   DDDD    EEEEE   DDDD      GGGG    EEEEE
```

145
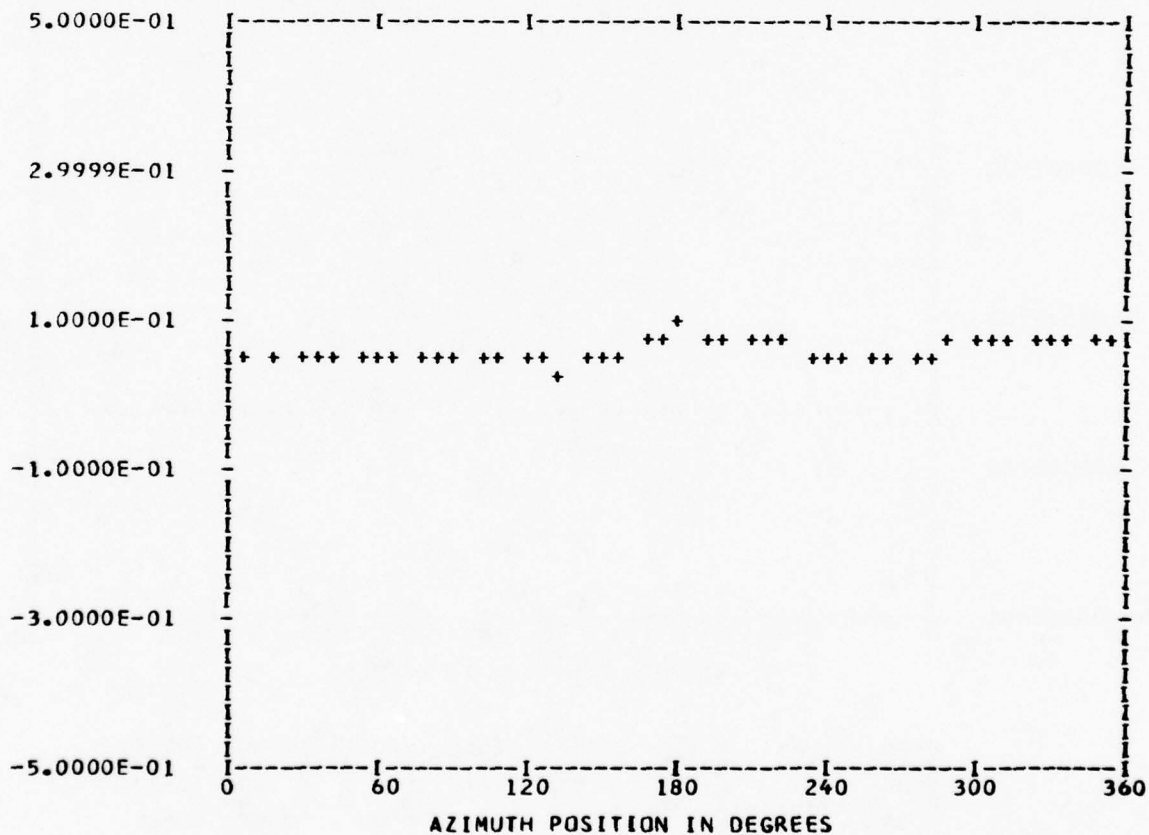
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***					RUN	11
ENTERED	45				TP	9
OUT OF RANGE	0				CHAN	61
BANDEDGE	0					

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.76091E-01	1	-0.19163E-02	0.22643E-02	0.29664E-02	319.7
	2	0.29655E-02	-0.26569E-02	0.39816E-02	131.8
	3	0.52724E-03	-0.36422E-02	0.36802E-02	171.7
	4	-0.12912E-02	-0.27186E-02	0.30096E-02	205.4
	5	0.16520E-02	-0.53740E-03	0.17372E-02	108.0
	6	0.64167E-03	-0.11026E-03	0.65108E-03	99.7
	7	-0.17401E-03	0.24934E-03	0.30406E-03	325.0
	8	-0.36784E-02	0.10761E-02	0.38325E-02	286.3
	9	0.32436E-03	-0.17122E-02	0.17427E-02	169.2
	10	-0.40887E-03	0.10397E-03	0.42189E-03	284.2

MAX=-0.60248E-01   MIN=-0.88413E-01   PEAK TO PEAK/2= 0.14082E-01
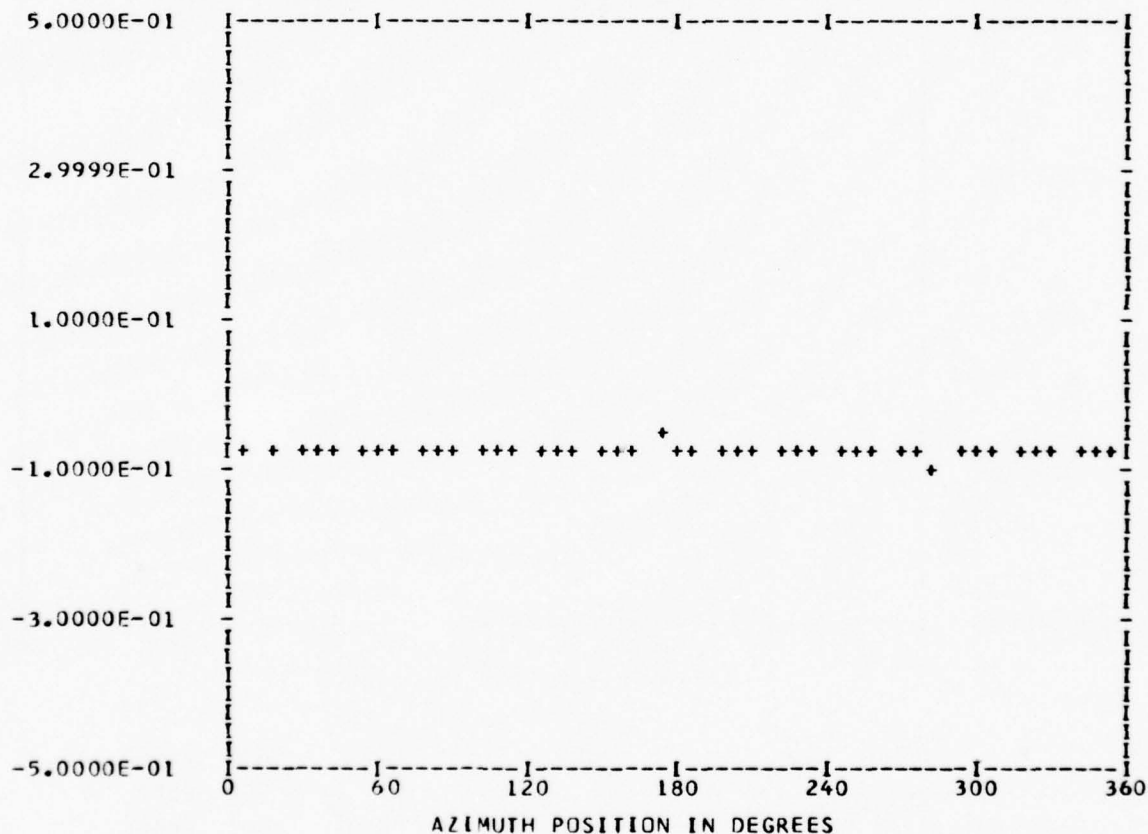
AZIMUTH POSITION IN DEGREES

146

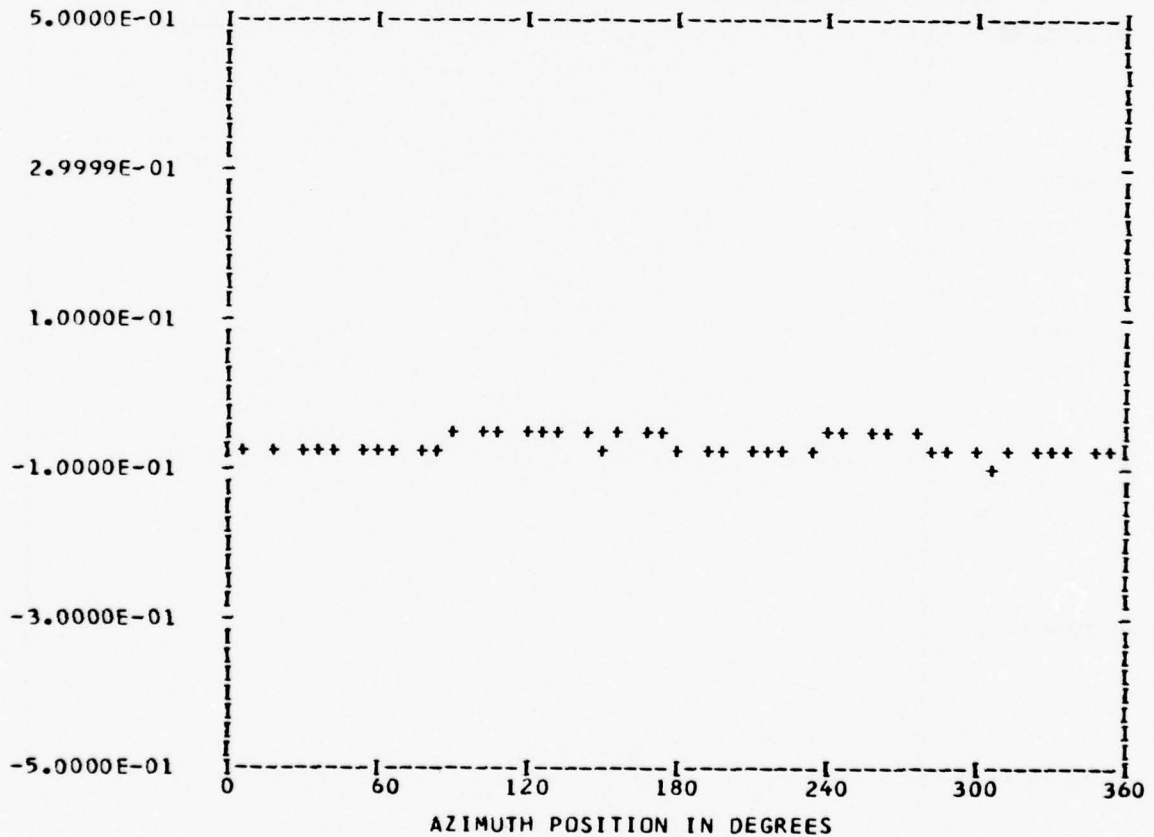UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN 11
TP   9
CHAN 48

HARMONIC ANALYSIS SKIPPED

MAX= 0.39895E 00 MIN= 0.39895E 00 PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01  I---------I---------I---------I---------I---------I---------I
            I                                                          I
            I                                                          I
            I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
            I                                                          I
            I                                                          I
2.9999E-01  -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
1.0000E-01  -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-1.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-3.0000E-01 -                                                          -
            I                                                          I
            I                                                          I
            I                                                          I
            I                                                          I
-5.0000E-01 I---------I---------I---------I---------I---------I---------I
            0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A    N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
B  B    A A   NN  N  D   D  E      D   D  G      E
BBBB    A A   N N N  D   D  EEEE   D   D  G GGG  EEEE
B  B   AAAAA  N  NN  D   D  E      D   D  G   G  E
BBBB   A   A  N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
```

147

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   11
ENTERED   44   TP   9
OUT OF RANGE   0   CHAN   57
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.92559E-01	1	-0.30129E-02	-0.94460E-03	0.31575E-02	252.5
	2	-0.29720E-02	-0.93782E-03	0.31165E-02	252.4
	3	0.73224E-03	0.10076E-02	0.12456E-02	36.0
	4	0.45524E-02	0.44124E-02	0.63399E-02	45.8
	5	-0.50590E-04	-0.67254E-03	0.67444E-03	184.3
	6	0.58378E-04	-0.67313E-03	0.67566E-03	175.0
	7	0.14306E-03	0.57162E-03	0.58925E-03	14.0
	8	-0.18625E-02	0.10707E-02	0.21483E-02	299.8
	9	-0.67691E-03	-0.42131E-04	0.67822E-03	266.4
	10	-0.22774E-03	-0.71201E-03	0.74755E-03	197.7

MAX=-0.77170E-01   MIN=-0.10473E 00   PEAK TO PEAK/2= 0.13784E-01
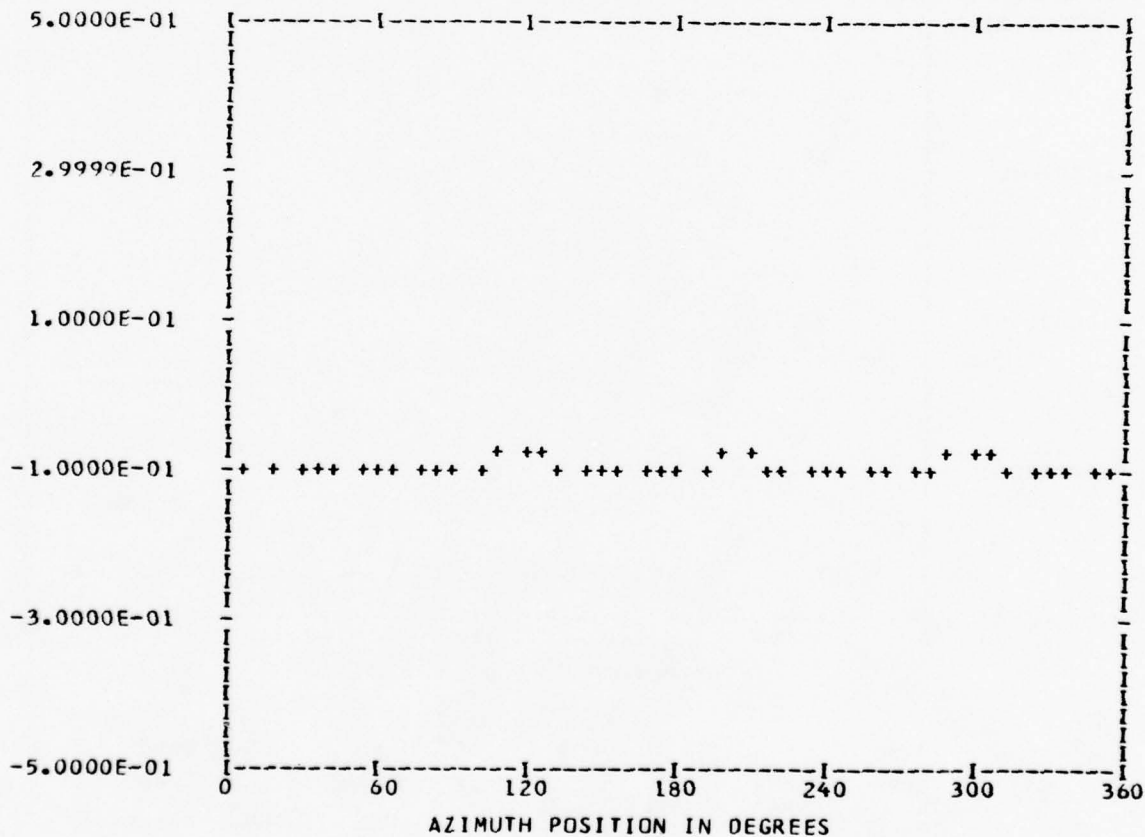
AZIMUTH POSITION IN DEGREES

148

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
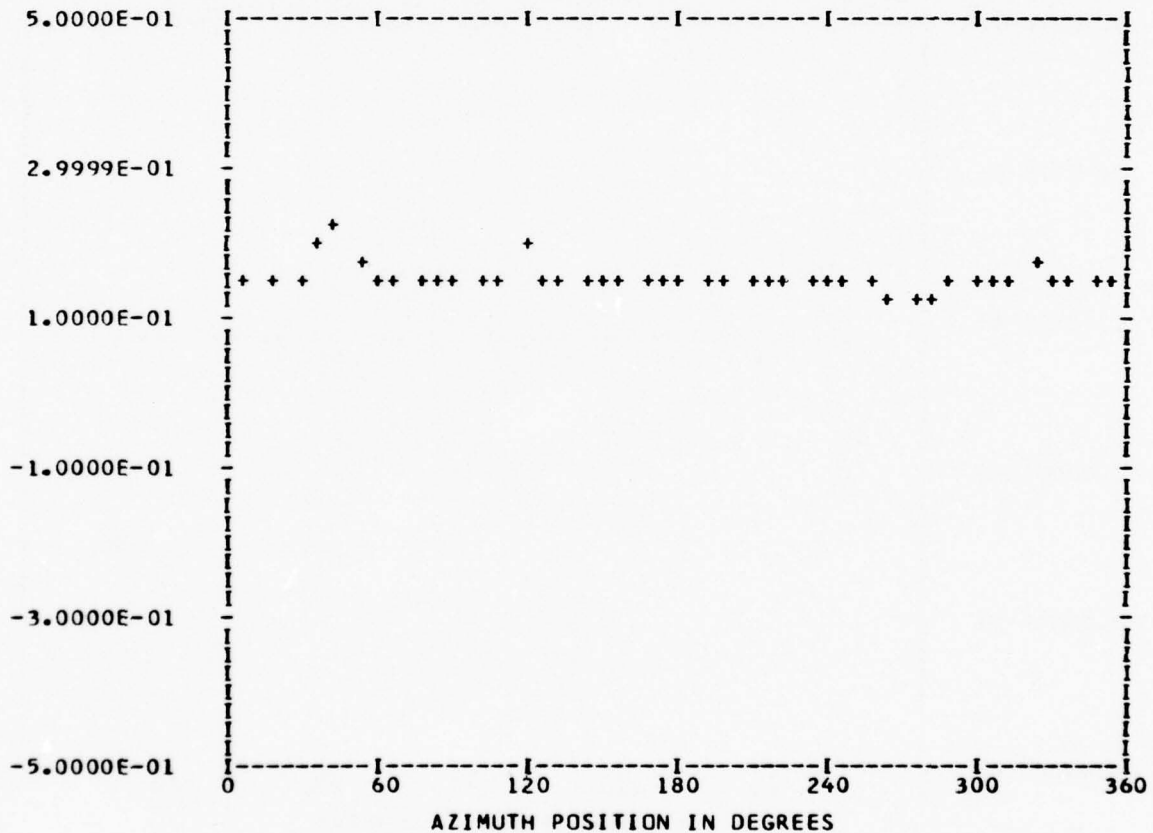
*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   0

RUN   11
TP   9
CHAN   53

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.61359E 00	1	0.33457E-03	-0.10993E-02	0.11491E-02	163.0
	2	-0.12956E-02	-0.76585E-03	0.15050E-02	239.4
	3	0.75937E-03	0.78415E-03	0.10915E-02	44.0
	4	0.13643E-02	0.15041E-02	0.20307E-02	42.2
	5	0.21956E-03	-0.34597E-03	0.40976E-03	147.5
	6	0.33633E-03	-0.15054E-03	0.36849E-03	114.1
	7	0.23861E-03	0.28925E-03	0.37497E-03	39.5
	8	-0.12449E-02	-0.18679E-03	0.12588E-02	261.4
	9	-0.63468E-04	0.31335E-03	0.31971E-03	348.5
	10	-0.27568E-03	0.25034E-04	0.27681E-03	275.1

MAX=-0.54979E 00   MIN=-0.61847E 00   PEAK TO PEAK/2= 0.34337E-01
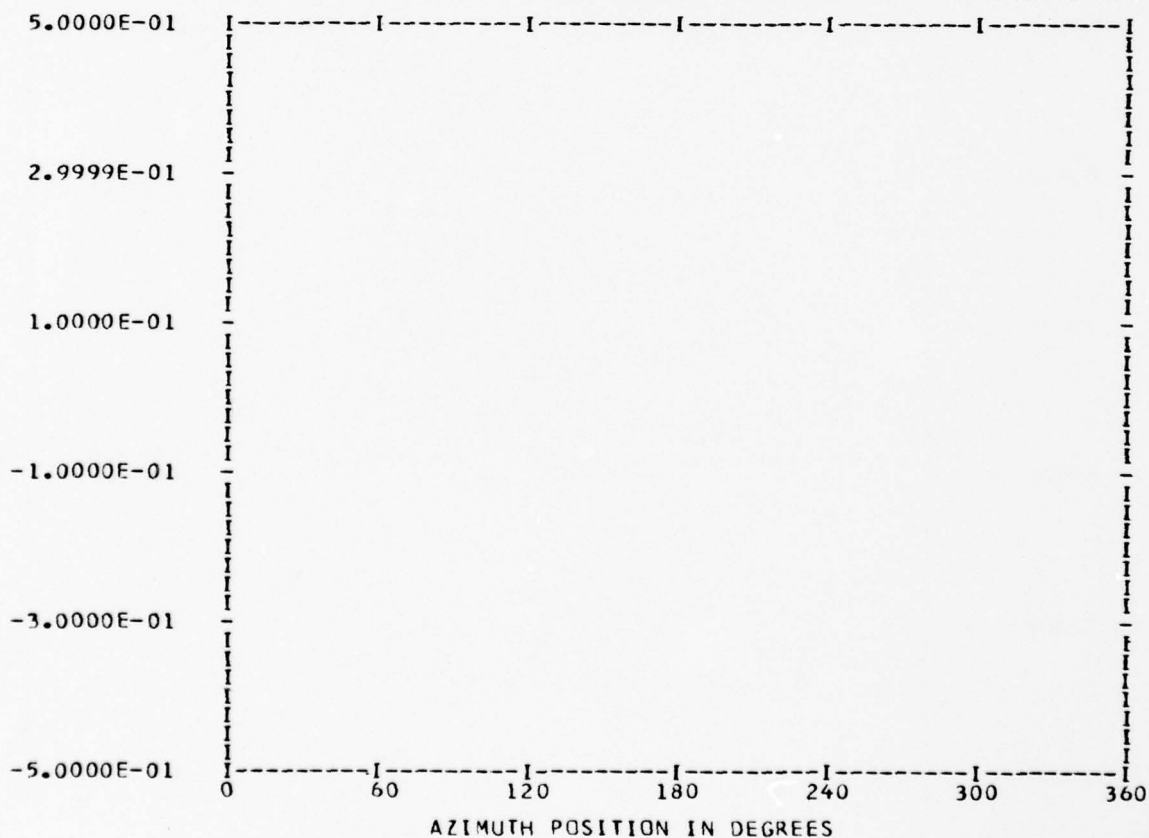
AZIMUTH POSITION IN DEGREES

149

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
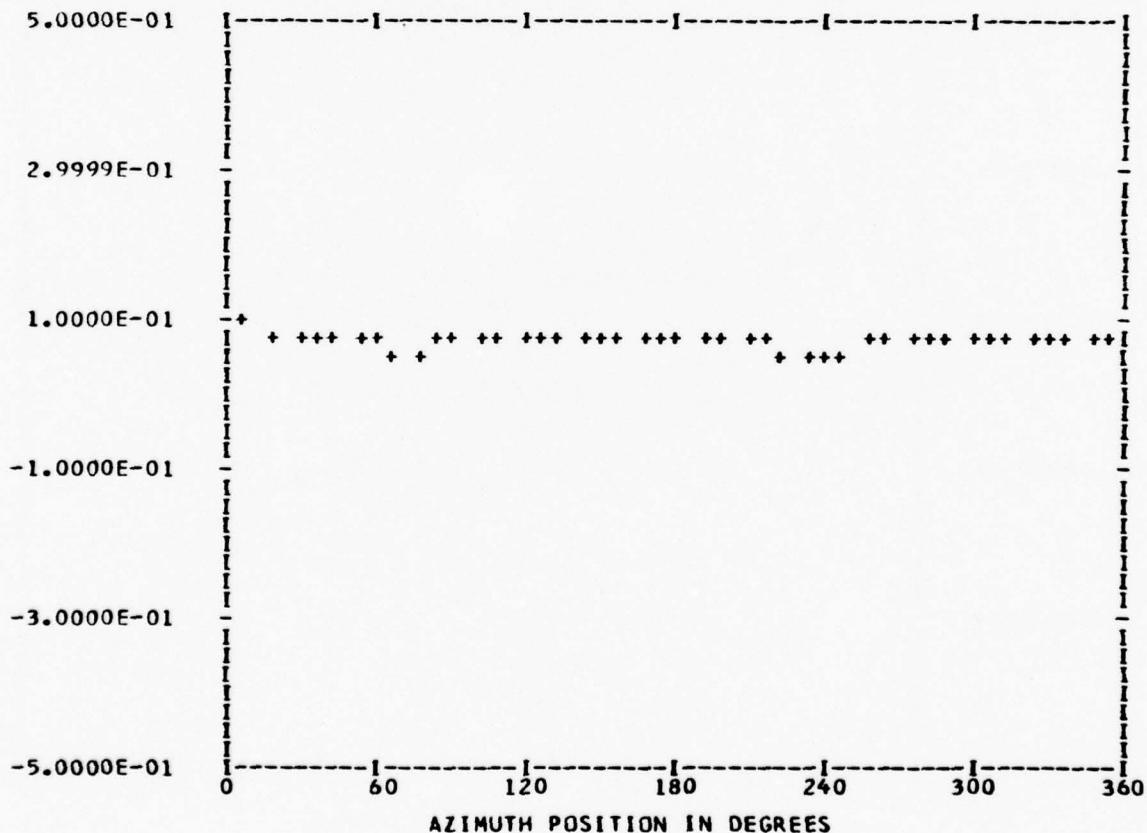
*** PS081.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   12
TP   3
CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.61855E-01	1	-0.14223E-04	-0.28837E-03	0.28872E-03	182.8
	2	0.61342E-03	-0.11669E-02	0.13183E-02	152.2
	3	-0.21701E-03	0.14725E-02	0.14884E-02	351.6
	4	0.11594E-01	-0.14739E-01	0.18753E-01	141.8
	5	-0.62060E-03	0.36043E-03	0.71768E-03	300.1
	6	0.16068E-03	-0.81100E-03	0.82676E-03	168.7
	7	0.31293E-03	0.78339E-03	0.84358E-03	21.7
	8	-0.60217E-03	-0.64878E-02	0.65157E-02	185.3
	9	0.15840E-03	0.12358E-03	0.20091E-03	52.0
	10	-0.32638E-03	-0.56022E-03	0.64837E-03	210.2

MAX=-0.30316E-01   MIN=-0.77947E-01   PEAK TC PEAK/2= 0.23815E-01

AZIMUTH POSITION IN DEGREES

150

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PSO81.2  WAVEFORM ***
                    ***      CYCLE   0     ***
*** DATA ANALYSIS ***                                          RUN    12
ENTERED            44                                          TP      3
OUT OF RANGE        0                                          CHAN   59
BANDEDGE            0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.97140E-03	1	0.41169E-03	0.29252E-03	0.50504E-03	54.6
	2	0.13727E-03	-0.43205E-03	0.45333E-03	162.3
	3	0.12741E-03	-0.19763E-04	0.12894E-03	98.8
	4	0.50571E-04	0.60077E-04	0.78528E-04	40.0
	5	0.88252E-04	0.16246E-03	0.18488E-03	28.5
	6	-0.57037E-04	-0.33633E-04	0.66215E-04	239.4
	7	0.72984E-04	-0.49604E-04	0.88245E-04	124.2
	8	-0.40512E-04	0.55299E-04	0.68551E-04	323.7
	9	0.14261E-03	-0.80710E-05	0.14284E-03	93.2
	10	0.33253E-04	0.33174E-04	0.46971E-04	45.0

MAX= 0.22119E-02   MIN= 0.71354E-04   PEAK TO PEAK/2= 0.10703E-02

AZIMUTH POSITION IN DEGREES

151

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS081.3  WAVEFORM ***
                        ***    CYCLE   0     ***
*** DATA ANALYSIS ***                                          RUN    12
ENTERED            44                                          TP      3
OUT OF RANGE        0                                          CHAN   49
BANDEDGE            0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.20288E 00	1	-0.70142E-03	0.27299E-03	0.75268E-03	291.2
	2	0.18261E-02	-0.10083E-02	0.20860E-02	118.9
	3	-0.48434E-03	0.90301E-03	0.10247E-02	331.7
	4	0.19166E-01	0.74646E-02	0.20568E-01	68.7
	5	0.50267E-05	-0.84821E-03	0.84823E-03	179.6
	6	0.35249E-03	0.85515E-03	0.92495E-03	22.4
	7	-0.92909E-03	-0.76481E-04	0.93223E-03	265.2
	8	0.19523E-02	0.47409E-02	0.51272E-02	22.3
	9	0.68882E-03	-0.89684E-04	0.69463E-03	97.4
	10	0.84287E-03	0.42885E-04	0.84396E-03	87.0

MAX= 0.23163E 00   MIN= 0.18239E 00   PEAK TO PEAK/2= 0.24619E-01

AZIMUTH POSITION IN DEGREES

152

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS089.1  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                           RUN     12
ENTERED              44                                         TP       3
OUT OF RANGE          0                                         CHAN    45
BANDEDGE              0
```

```
      STEADY      HARM     COS COEFF        SIN COEFF           RES        PHASE
   0.77477E-02     1     0.12466E-02      0.51421E-02       0.52911E-02     13.6
                   2     0.11535E-02     -0.46290E-02       0.47705E-02    166.0
                   3    -0.58904E-02     -0.39480E-02       0.70911E-02    236.1
                   4     0.27649E-01     -0.45919E-02       0.28028E-01     99.4
                   5     0.38788E-02     -0.21040E-02       0.44128E-02    118.4
                   6     0.67980E-05     -0.11132E-02       0.11132E-02    179.6
                   7     0.11915E-02      0.34753E-02       0.36739E-02     18.9
                   8     0.75865E-02     -0.61982E-02       0.97966E-02    129.2
                   9     0.82461E-03      0.11678E-02       0.14296E-02     35.2
                  10     0.13027E-02     -0.96653E-03       0.16221E-02    126.5
```

MAX= 0.61746E-01   MIN=-0.33364E-01   PEAK TC PEAK/2= 0.47555E-01

AZIMUTH POSITION IN DEGREES

153
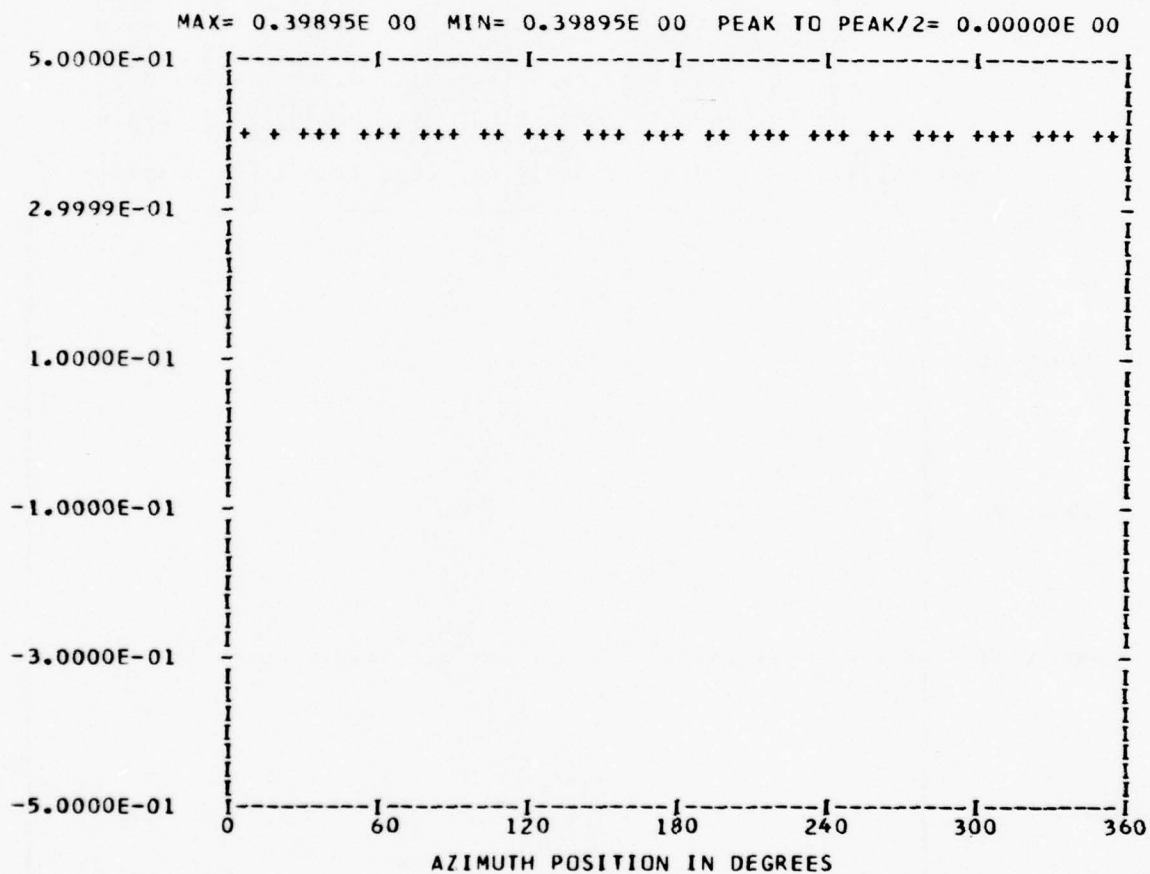
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   56
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10486E 00	1	-0.13244E-03	-0.39780E-03	0.41927E-03	198.4
	2	0.99238E-02	-0.10374E-01	0.14356E-01	136.2
	3	0.92544E-02	-0.18232E-02	0.94323E-02	101.1
	4	0.21193E-01	-0.74464E-02	0.22463E-01	109.3
	5	-0.16534E-02	0.10110E-02	0.19380E-02	301.4
	6	-0.74658E-03	-0.47451E-03	0.88462E-03	237.5
	7	-0.80707E-03	0.10236E-02	0.13035E-02	321.7
	8	0.22624E-02	-0.86294E-02	0.89211E-02	165.3
	9	0.18176E-02	0.61155E-03	0.19178E-02	71.4
	10	-0.38287E-03	-0.10168E-02	0.10865E-02	200.6

MAX= 0.15850E 00   MIN= 0.63375E-01   PEAK TO PEAK/2= 0.47562E-01

AZIMUTH POSITION IN DEGREES

154

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
              *** PS099.2   WAVEFORM ***
              ***       CYCLE   0       ***
```

```
*** DATA ANALYSIS ***                                          RUN    12
ENTERED              44                                        TP      3
OUT OF RANGE          0                                        CHAN   46
BANDEDGE              0
```

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.93808E-01	1	0.21846E-01	0.31239E-01	0.38120E-01	34.9
	2	0.29622E-02	-0.13107E-01	0.13437E-01	167.2
	3	-0.44052E-02	0.13672E-01	0.14365E-01	342.1
	4	0.20310E-03	0.11433E-02	0.11612E-02	10.0
	5	0.32594E-02	0.10018E-01	0.10535E-01	18.0
	6	0.12676E-03	-0.38921E-02	0.38942E-02	178.1
	7	0.77309E-02	0.23962E-02	0.80937E-02	72.7
	8	0.15494E-02	-0.40643E-02	0.43497E-02	159.1
	9	0.16121E-02	0.33498E-02	0.37176E-02	25.6
	10	0.85042E-03	0.58490E-02	0.59105E-02	8.2

MAX= 0.14947E 00   MIN= 0.33396E-01   PEAK TO PEAK/2= 0.58037E-01

AZIMUTH POSITION IN DEGREES

155

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
*** PSO99.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   12
TP   3
CHAN   51

HARMONIC ANALYSIS SKIPPED

MAX=-0.21807E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                          I
             I                                                          I
             I                                                          I
2.9999E-01   -                                                          -
             I                                                          I
             I                                                          I
1.0000E-01   -                                                          -
             I                                                          I
             I                                                          I
-1.0000E-01  -                                                          -
             I                                                          I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                          I
-3.0000E-01  I                                                          I
             I                                                          I
             I                                                          I
             I                                                          I
-5.0000E-01  0---------I---------I---------I---------I---------I---------I
             0        60        120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD   EEEEE   DDDD    GGGG   EEEEE
B   B    A A     NN  N   D   D  E       D   D  G       E
BBBB     A A     N N N   D   D  EEEE    D   D  G GGG   EEEE
B   B   AAAAA    N  NN   D   D  E       D   D  G   G   E
BBBB    A   A    N   N   DDDD   EEEEE   DDDD    GGGG   EEEEE
```

156

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.1   WAVEFORM ***
                        ***        CYCLE   0      ***
 *** DATA ANALYSIS ***                                          RUN    12
 ENTERED            44                                          TP      3
 OUT OF RANGE        0                                          CHAN   55
 BANDEDGE            0
```
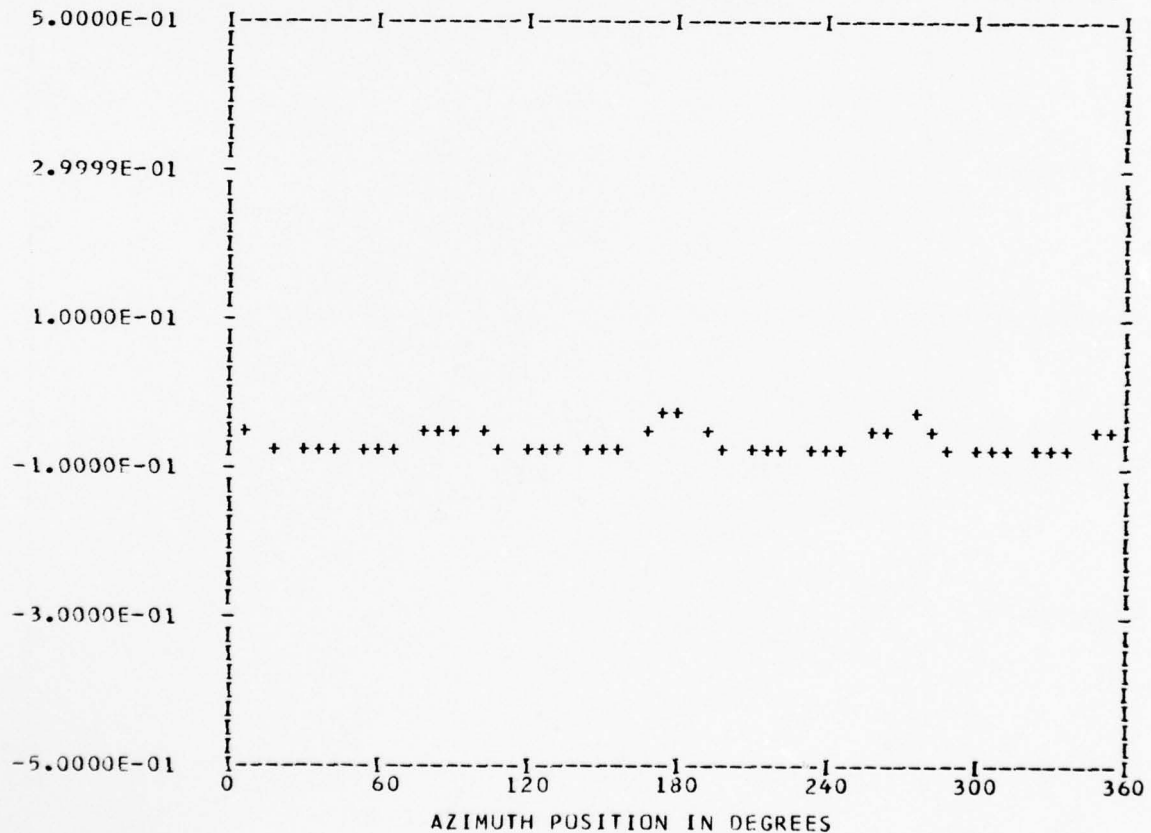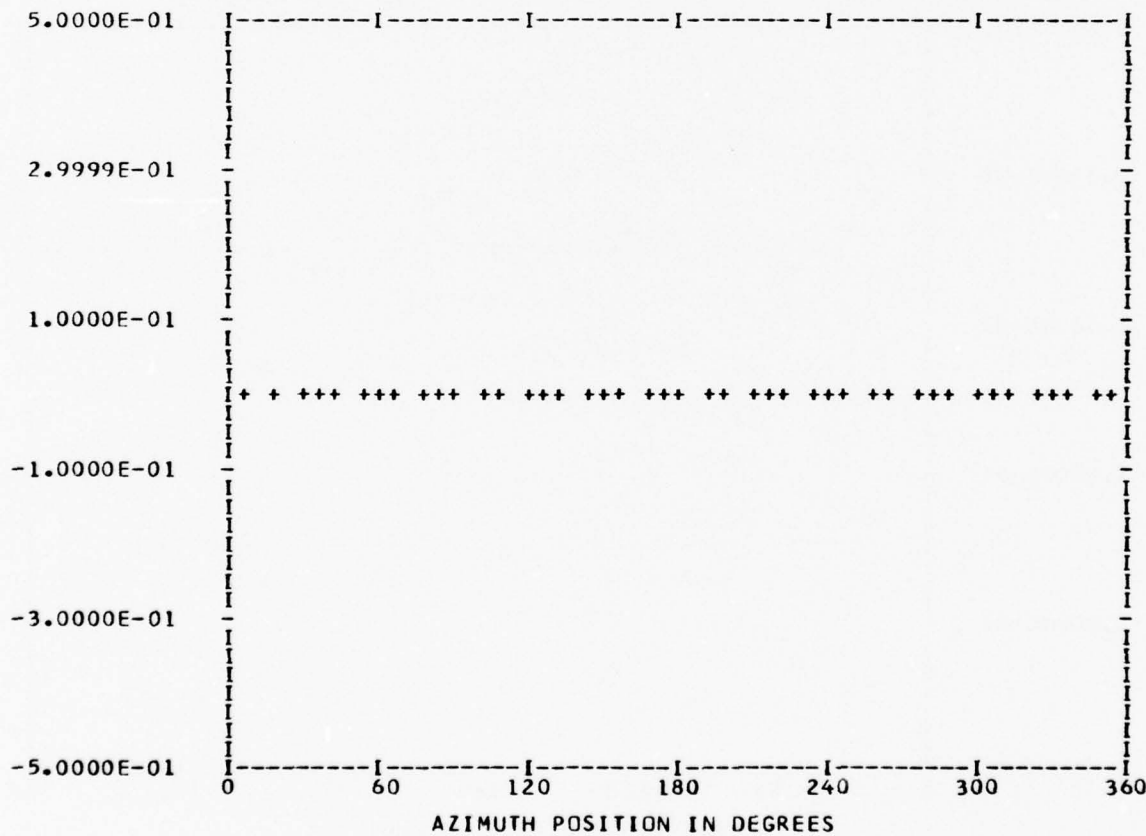
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.89008E-01	1	0.12130E-02	-0.57741E-02	0.59002E-02	168.1
	2	0.10071E-01	-0.13158E-01	0.16571E-01	142.5
	3	-0.10120E-02	0.79723E-02	0.80363E-02	352.7
	4	0.15828E-02	-0.74312E-02	0.75979E-02	167.9
	5	0.13544E-02	-0.16000E-02	0.20964E-02	139.7
	6	0.14720E-02	-0.42714E-02	0.45180E-02	160.9
	7	-0.22093E-02	-0.96585E-03	0.24112E-02	246.3
	8	-0.63652E-03	-0.42887E-02	0.43357E-02	188.4
	9	-0.25464E-03	-0.10533E-02	0.10837E-02	193.5
	10	-0.70320E-03	-0.12877E-02	0.14672E-02	208.6

MAX= 0.12404E 00   MIN= 0.58372E-01   PEAK TO PEAK/2= 0.32834E-01

AZIMUTH POSITION IN DEGREES

157

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
***   CYCLE   0   ***

```
*** DATA ANALYSIS ***                                          RUN    12
ENTERED           44                                           TP      3
OUT OF RANGE       0                                           CHAN   60
BANDEDGE           0
```

```
      STEADY    HARM   COS COEFF        SIN COEFF         RES          PHASE
   -0.14617E 00   1  -0.98000E-03    0.48545E-02      0.49524E-02      348.5
                  2  -0.13870E-02    0.16094E-02      0.21247E-02      319.2
                  3  -0.25377E-02   -0.18115E-02      0.31180E-02      234.4
                  4   0.29383E-02   -0.11902E-01      0.12260E-01      166.1
                  5  -0.77659E-03    0.14965E-02      0.16860E-02      332.5
                  6  -0.21832E-03   -0.46940E-02      0.46991E-02      182.6
                  7  -0.47087E-03    0.95317E-03      0.10631E-02      333.7
                  8  -0.33062E-02   -0.33553E-02      0.47106E-02      224.5
                  9   0.19184E-02    0.81451E-03      0.20842E-02       66.9
                 10  -0.17553E-02    0.14884E-03      0.17616E-02      274.8
```

MAX=-0.11912E 00 MIN=-0.16028E 00 PEAK TO PEAK/2= 0.20577E-01

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 2.9999E-01  -I                                                         -I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 1.0000E-01  -I                                                         -I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-1.0000E-01  -I      ++ +++ +          +++     +            +           -I
              I + + +++ +          + +++ +++    ++ +++ +++  + +++ +++ +++ +
              I                                                          I
              I                                                          I
              I                                                          I
-3.0000E-01  -I                                                         -I
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

158

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
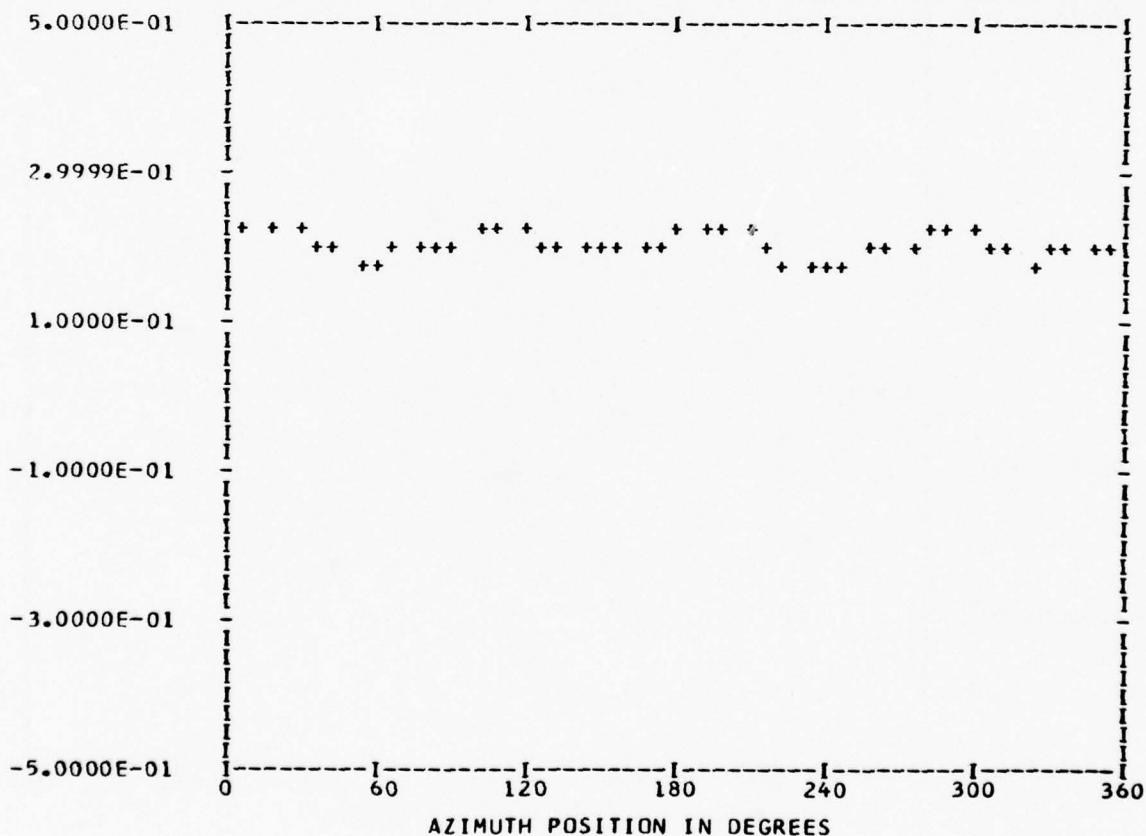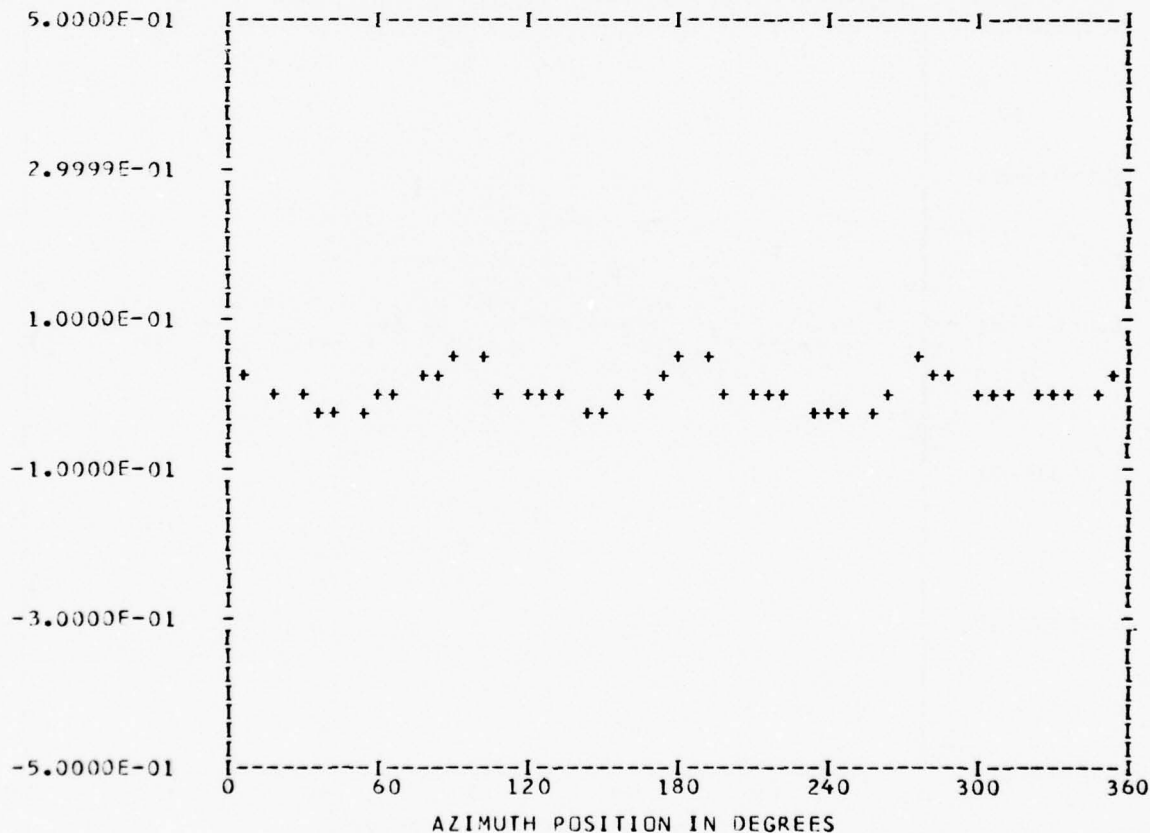
*** PS107.3 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   58
BANDEDGE   0

   STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
-0.87560E-01   1   -0.20531E-02   0.28084E-02   0.34789E-02   323.8
                 2   0.56862E-02   -0.94023E-03   0.57634E-02   99.3
                 3   -0.15054E-02   0.15411E-04   0.15055E-02   270.5
                 4   -0.91601E-02   -0.50969E-02   0.10482E-01   240.9
                 5   -0.16708E-02   0.23027E-02   0.28450E-02   324.0
                 6   0.12440E-02   0.14139E-03   0.12520E-02   83.5
                 7   -0.94429E-04   0.90597E-03   0.91088E-03   354.0
                 8   -0.57451E-03   -0.19632E-02   0.20455E-02   196.3
                 9   0.18080E-03   0.82075E-03   0.84043E-03   12.4
                10   -0.40844E-03   -0.40499E-03   0.57519E-03   225.2

MAX=-0.70209E-01   MIN=-0.11159E 00   PEAK TO PEAK/2= 0.20694E-01
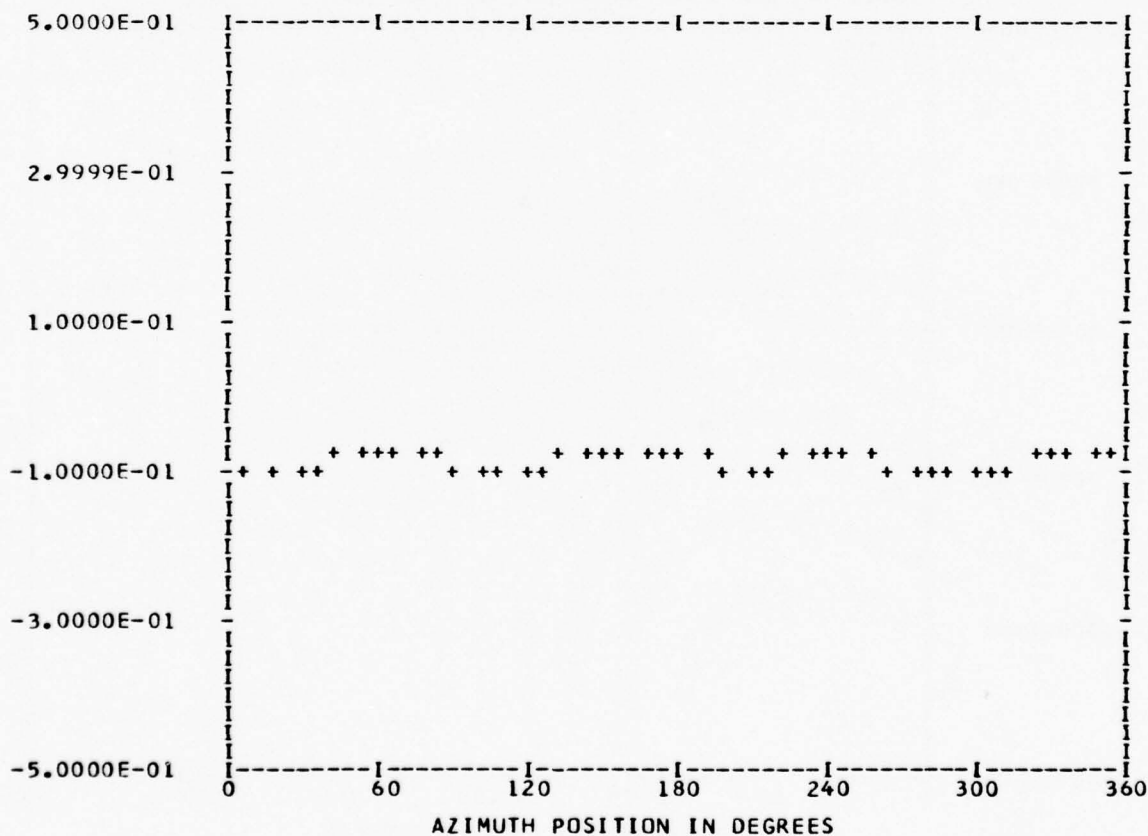
AZIMUTH POSITION IN DEGREES

159

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                          *** PS107.4   WAVEFORM ***
                          ***      CYCLE    0      ***
*** DATA ANALYSIS ***                                                RUN    12
ENTERED              44                                              TP      3
OUT OF RANGE          0                                              CHAN   52
BANDEDGE              0

       STEADY      HARM    COS COEFF         SIN COEFF          RES        PHASE
   0.13123E 00      1     0.25037E-01       0.29731E-01      0.38869E-01     40.1
                    2     0.49432E-02      -0.18419E-01      0.19071E-01    164.9
                    3    -0.11034E-02      -0.59470E-04      0.11050E-02    266.9
                    4    -0.16402E-01       0.10977E-01      0.19737E-01    303.7
                    5     0.48539E-02       0.82819E-02      0.95995E-02     30.3
                    6     0.18224E-02      -0.22097E-02      0.28643E-02    140.4
                    7     0.34646E-02      -0.12496E-02      0.36830E-02    109.8
                    8    -0.52497E-02       0.27190E-02      0.59121E-02    297.3
                    9     0.12765E-02       0.26353E-02      0.29282E-02     25.8
                   10    -0.35325E-03       0.33137E-02      0.33325E-02    353.9

       MAX= 0.16917E 00   MIN= 0.56764E-01   PEAK TO PEAK/2= 0.56203E-01
```
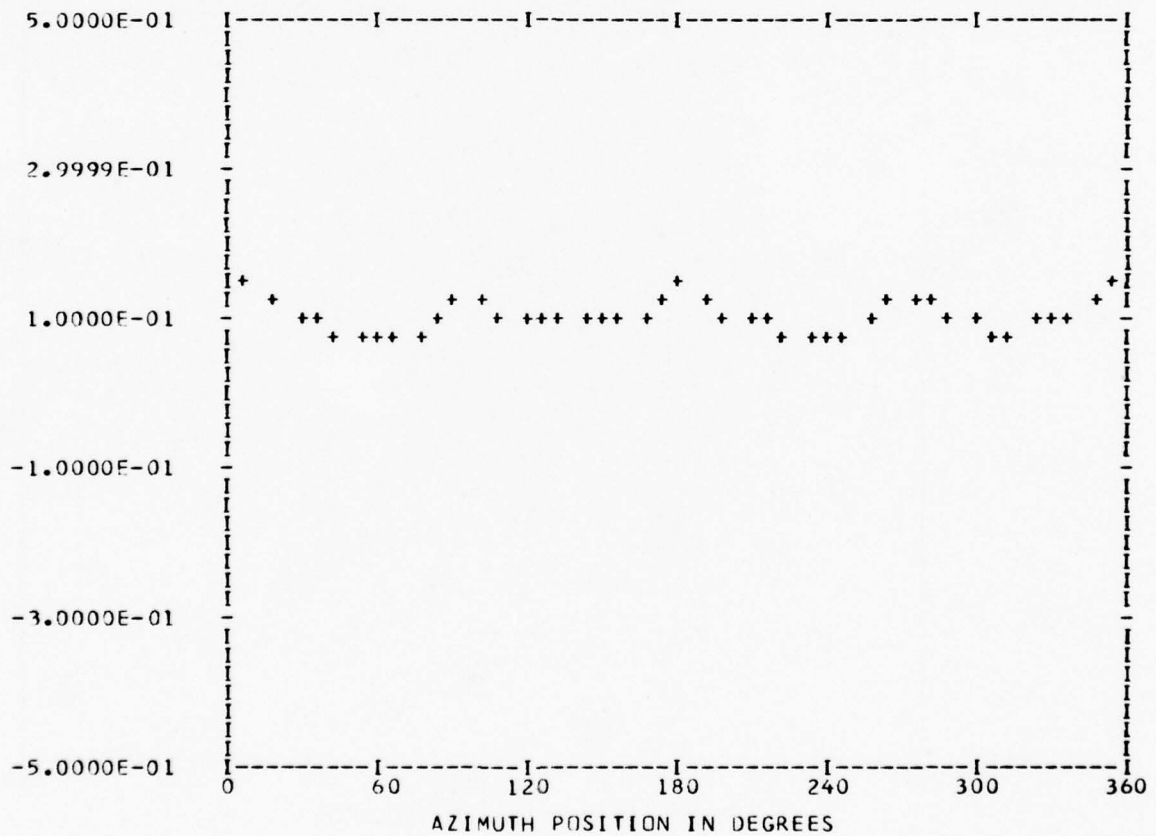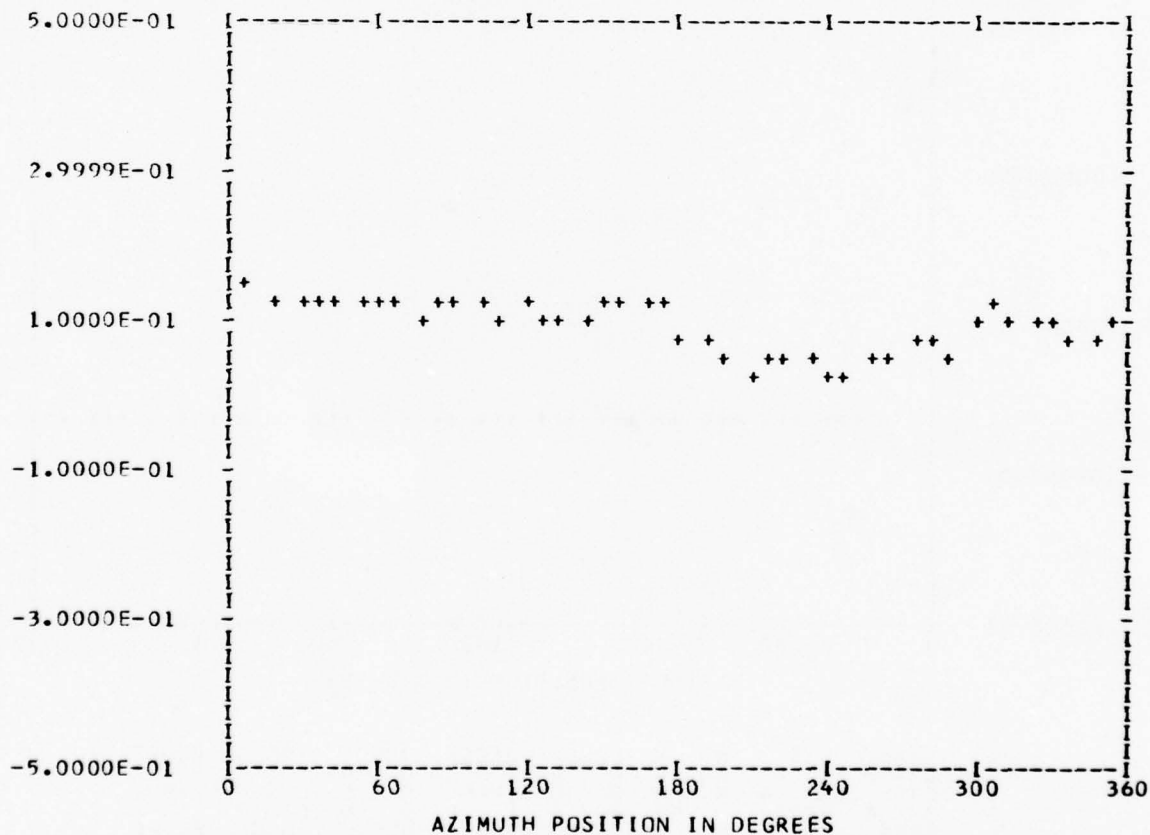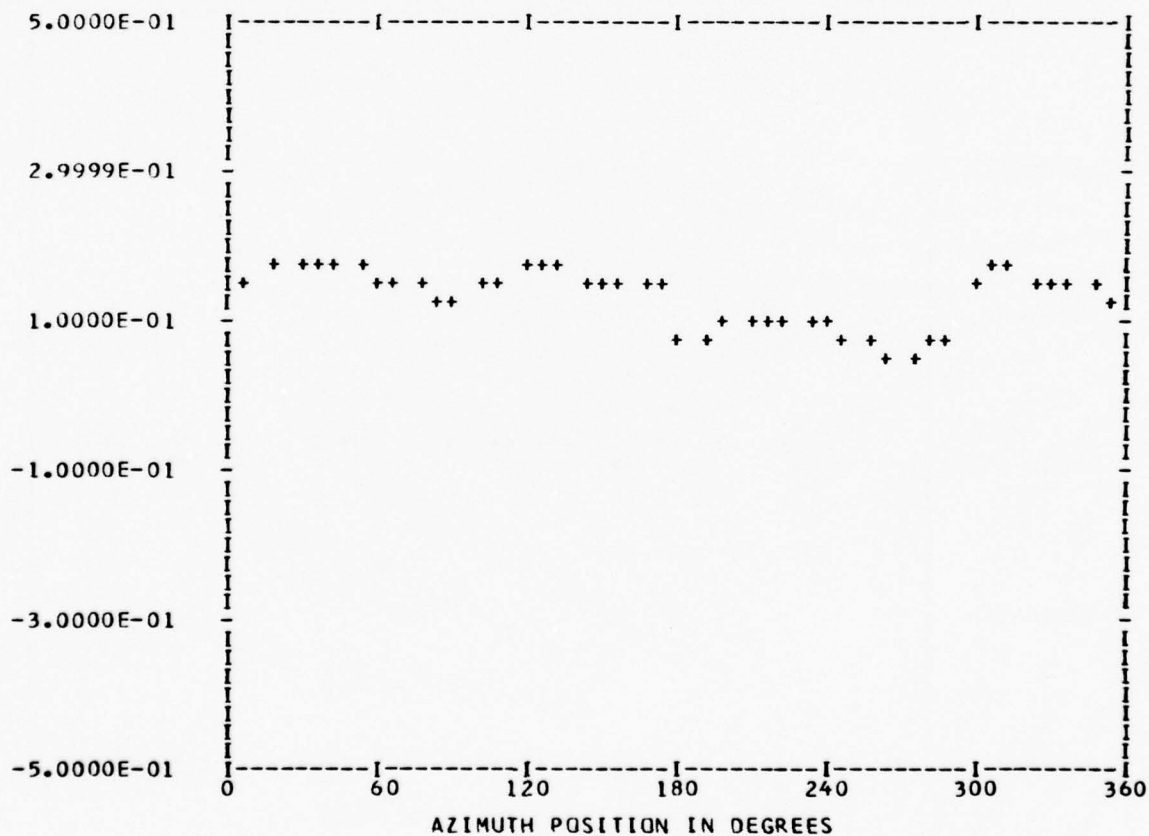
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.5   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***				
ENTERED	44		RUN	12
OUT OF RANGE	0		TP	3
BANDEDGE	0		CHAN	47

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.21276E-02	1	-0.26890E-02	0.27116E-02	0.38189E-02	315.2
	2	-0.29512E-02	-0.94458E-03	0.30987E-02	252.2
	3	-0.22477E-02	-0.32472E-02	0.39492E-02	214.6
	4	0.95489E-02	-0.13682E-02	0.96464E-02	98.1
	5	-0.40774E-03	-0.14786E-02	0.15338E-02	195.4
	6	0.23774E-02	-0.57174E-03	0.24452E-02	103.5
	7	-0.79654E-03	-0.50743E-03	0.94444E-03	237.5
	8	0.28521E-02	-0.53020E-02	0.60205E-02	151.7
	9	-0.11213E-02	-0.17765E-03	0.11353E-02	260.9
	10	-0.86441E-03	-0.17046E-02	0.19112E-02	206.8

MAX= 0.22821E-01   MIN=-0.16650E-01   PEAK TO PEAK/2= 0.19736E-01

AZIMUTH POSITION IN DEGREES

161

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE   0   ***

```
*** DATA ANALYSIS ***                                              RUN   12
ENTERED          44                                                TP     3
OUT OF RANGE      0                                                CHAN  50
BANDEDGE         44              HARMONIC ANALYSIS SKIPPED
```
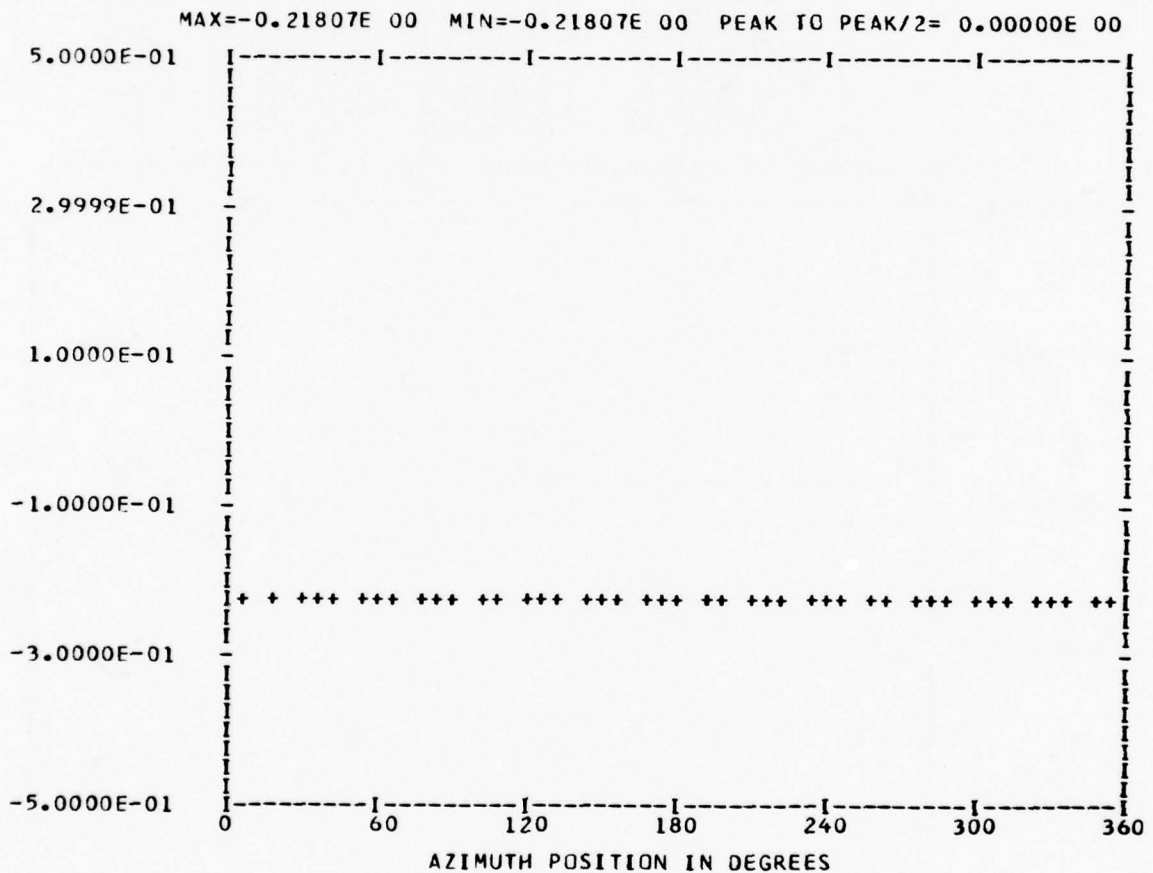
MAX= 0.36109E 00   MIN= 0.36109E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
2.9999E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A    N   N  DDDD   EEEEE  DDDD    GGGG   EEEE
B   B   A A   NN  N  D   D  E      D   D  G       E
BBBB   A   A  N N N  D   D  EEEE   D   D  G  GG   EEEE
B   B  AAAAA  N  NN  D   D  E      D   D  G   G   E
BBBB   A   A  N   N  DDDD   EEEEE  DDDD    GGGG   EEEEE
```

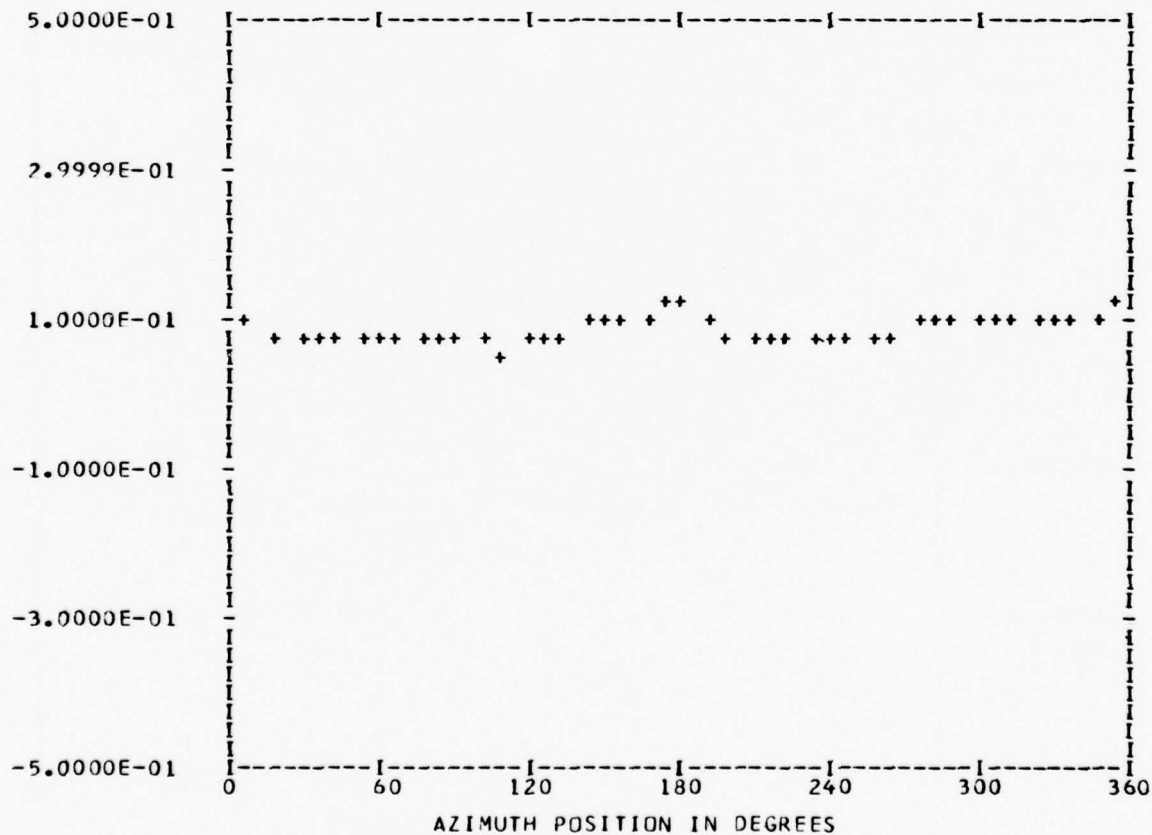162

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

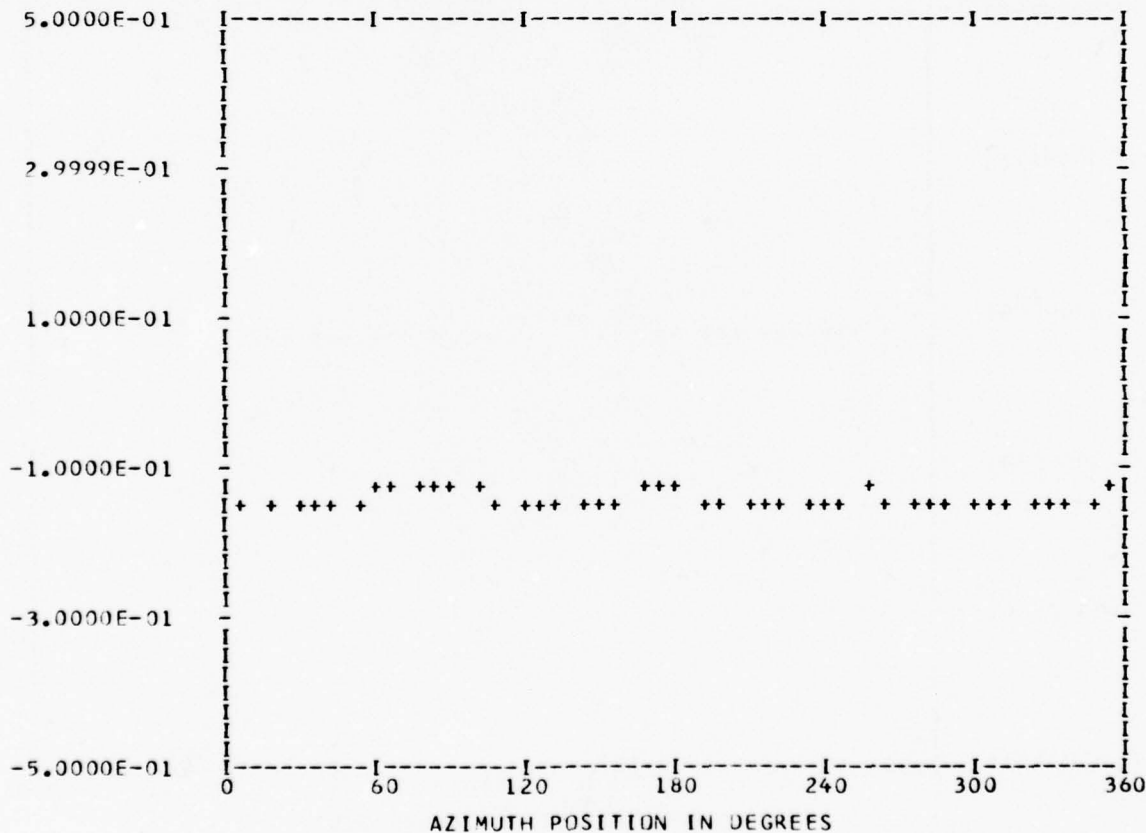*** PS112.1 WAVEFORM ***
***   CYCLE 0   ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   61
BANDEDGE   0

   STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
-0.12480E 00   1   0.23113E-02   0.73657E-03   0.24259E-02   72.3
                2   0.10923E-02   -0.25375E-02   0.27627E-02   156.7
                3   -0.22079E-02   0.89700E-03   0.23831E-02   292.1
                4   -0.36845E-02   -0.92266E-02   0.99351E-02   201.7
                5   -0.13986E-02   0.11086E-02   0.17847E-02   308.4
                6   -0.12059E-02   -0.14285E-02   0.18695E-02   220.1
                7   -0.22230E-03   0.47311E-03   0.52274E-03   334.8
                8   -0.31632E-02   -0.85486E-03   0.32767E-02   254.8
                9   0.21789F-02   -0.15746E-02   0.26883E-02   125.8
               10   -0.46549E-03   -0.25133E-03   0.52901E-03   241.6

MAX=-0.10635E 00   MIN=-0.14173E 00   PEAK TO PEAK/2= 0.17688E-01
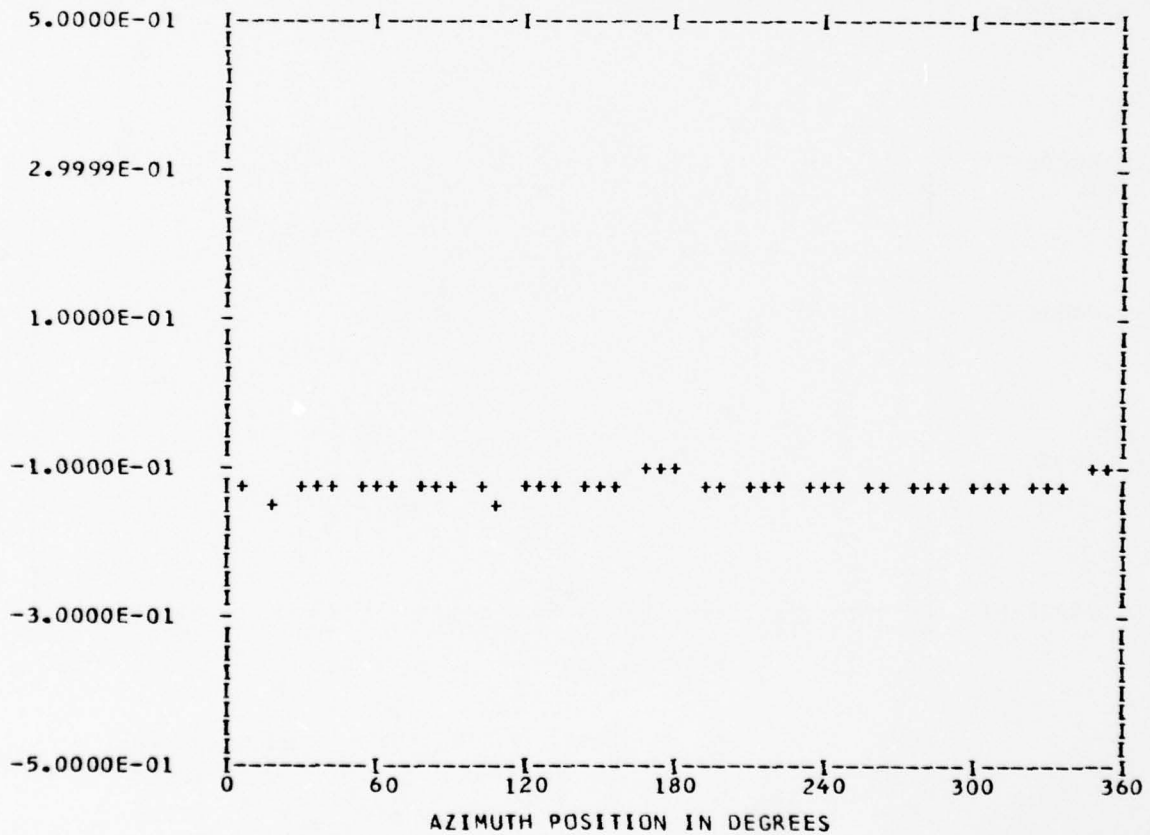
AZIMUTH POSITION IN DEGREES

163

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

HARMONIC ANALYSIS SKIPPED

RUN   12
TP   3
CHAN   48

MAX= 0.39895E 00   MIN= 0.39895E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I+  + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A     N   N  DDDD   EEEEE  DDDD      GGGG   EEEEE
B    B   A A    NN  N  D   D  E      D   D    G       E
BBBB    A   A   N N N  D   D  EEEE   D    D  G  GGG   EEEE
B    B  AAAAA   N  NN  D   D  E      D    D  G    G   E
BBBB    A     A N   N  DDDD   EEEEE  DDDD      GGGG   EEEEE
```

164

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                      ***  PS117.1   WAVEFORM  ***
                      ***        CYCLE   0       ***
*** DATA ANALYSIS ***                                            RUN    12
ENTERED              44                                          TP      3
OUT OF RANGE          0                                          CHAN   57
BANDEDGE              0

    STEADY       HARM   COS COEFF        SIN COEFF          RES        PHASE
 -0.10265E 00     1   -0.18348E-02     -0.17696E-02      0.25491E-02   226.0
                  2    0.56326E-03     -0.29019E-02      0.29561E-02   169.0
                  3   -0.15780E-02      0.82018E-04      0.15801E-02   272.9
                  4    0.66263E-02      0.25022E-04      0.66264E-02    89.7
                  5    0.62327E-03     -0.68102E-03      0.92317E-03   137.5
                  6   -0.43494E-03     -0.19409E-03      0.47628E-03   245.9
                  7    0.98147E-03      0.68016E-03      0.11941E-02    55.2
                  8   -0.18168E-02      0.13723E-02      0.22768E-02   307.0
                  9    0.22656E-03     -0.30144E-03      0.37709E-03   143.0
                 10    0.17428E-03      0.87638E-04      0.19507E-03    63.3
```
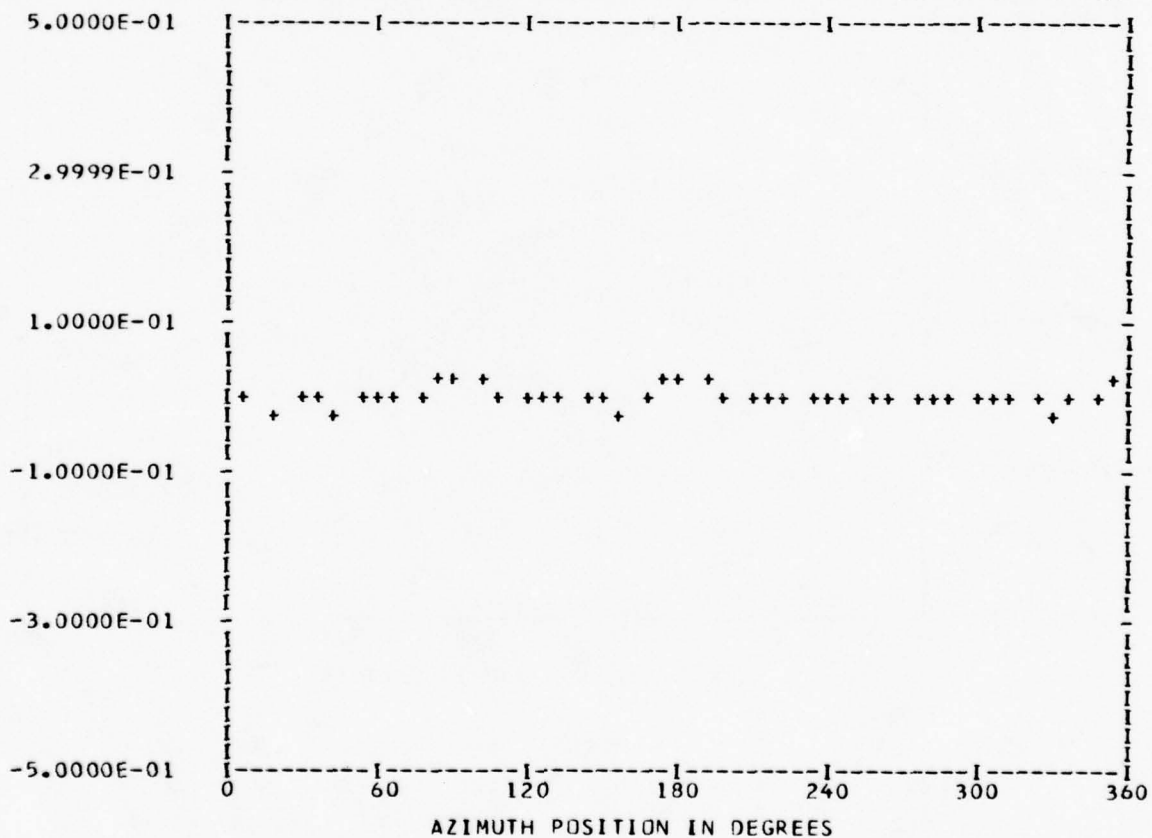
MAX=-0.88187E-01   MIN=-0.11483E 00   PEAK TO PEAK/2= 0.13322E-01

AZIMUTH POSITION IN DEGREES

165

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   0

RUN   12
TP   3
CHAN   53

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.61444E 00	1	0.10780E-02	-0.22462E-02	0.24915E-02	154.3
	2	-0.19312E-02	-0.71439E-03	0.20591E-02	249.7
	3	-0.46924E-03	-0.83967E-03	0.96189E-03	209.1
	4	0.32088E-02	0.96033E-03	0.33494E-02	73.3
	5	0.31016E-03	0.12596E-03	0.33476E-03	67.8
	6	-0.60436E-04	-0.20867E-03	0.21725E-03	196.1
	7	-0.17075E-03	0.15564E-04	0.17146E-03	275.2
	8	-0.18806E-02	-0.13254E-02	0.23008E-02	234.8
	9	0.16632E-03	-0.16217E-03	0.23230E-03	134.2
	10	-0.33528E-03	0.20357E-03	0.39224E-03	301.2

MAX=-0.54979E 00 MIN=-0.62384E 00 PEAK TO PEAK/2= 0.37022E-01

AZIMUTH POSITION IN DEGREES

166

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
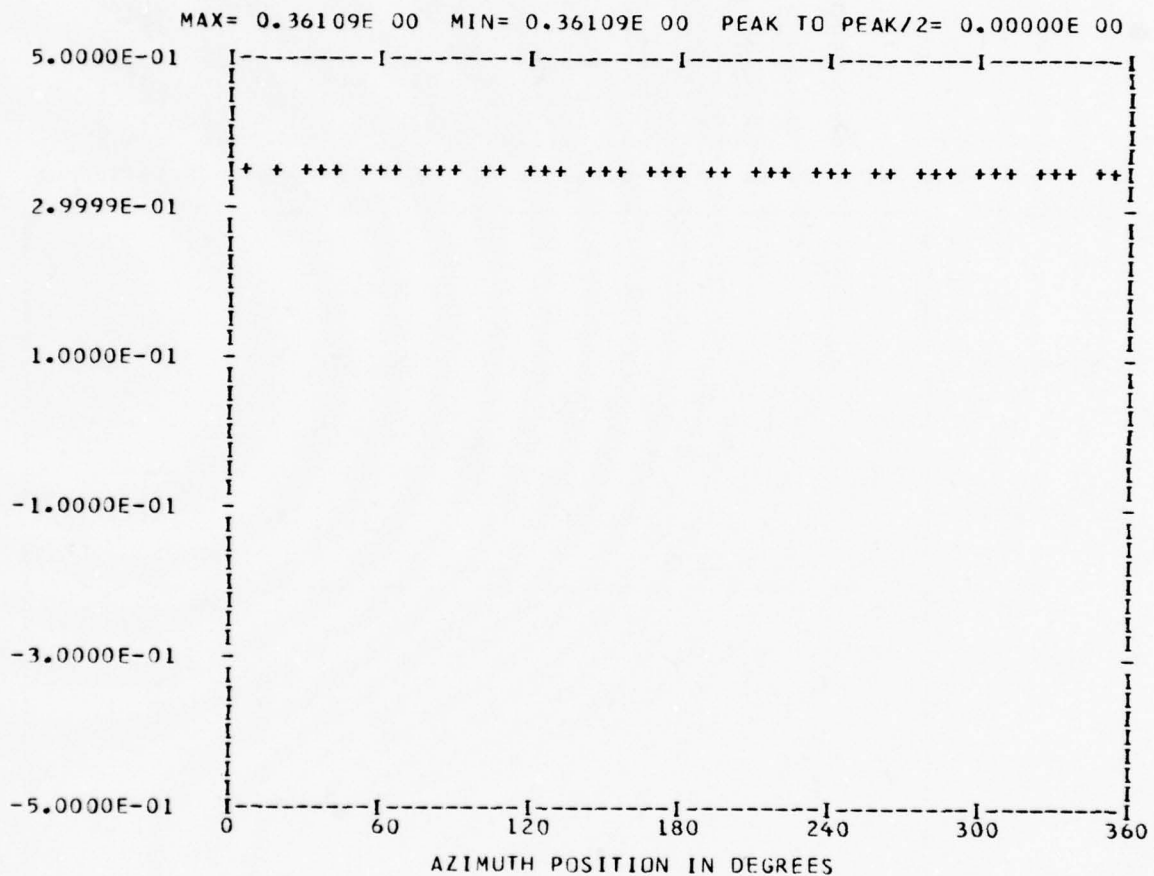
*** PS081.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   12
TP   6
CHAN 54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.40910E-01	1	-0.10449E-02	0.33745E-04	0.10454E-02	271.8
	2	-0.19501E-02	-0.73904E-03	0.20854E-02	249.2
	3	0.81615E-03	0.90108E-03	0.12157E-02	42.1
	4	0.59904E-02	-0.65808E-02	0.88990E-02	137.6
	5	0.42005E-03	0.52241E-03	0.67034E-03	38.8
	6	-0.28699E-03	0.83984E-03	0.88753E-03	341.1
	7	0.62387E-04	0.12615E-02	0.12630E-02	2.8
	8	0.34063E-02	-0.16270E-02	0.37749E-02	115.5
	9	0.33195E-04	0.57470E-03	0.57566E-03	3.3
	10	-0.18990E-03	0.34646E-03	0.39509E-03	331.2

MAX=-0.26003E-01 MIN=-0.53361E-01 PEAK TO PEAK/2= 0.13679E-01
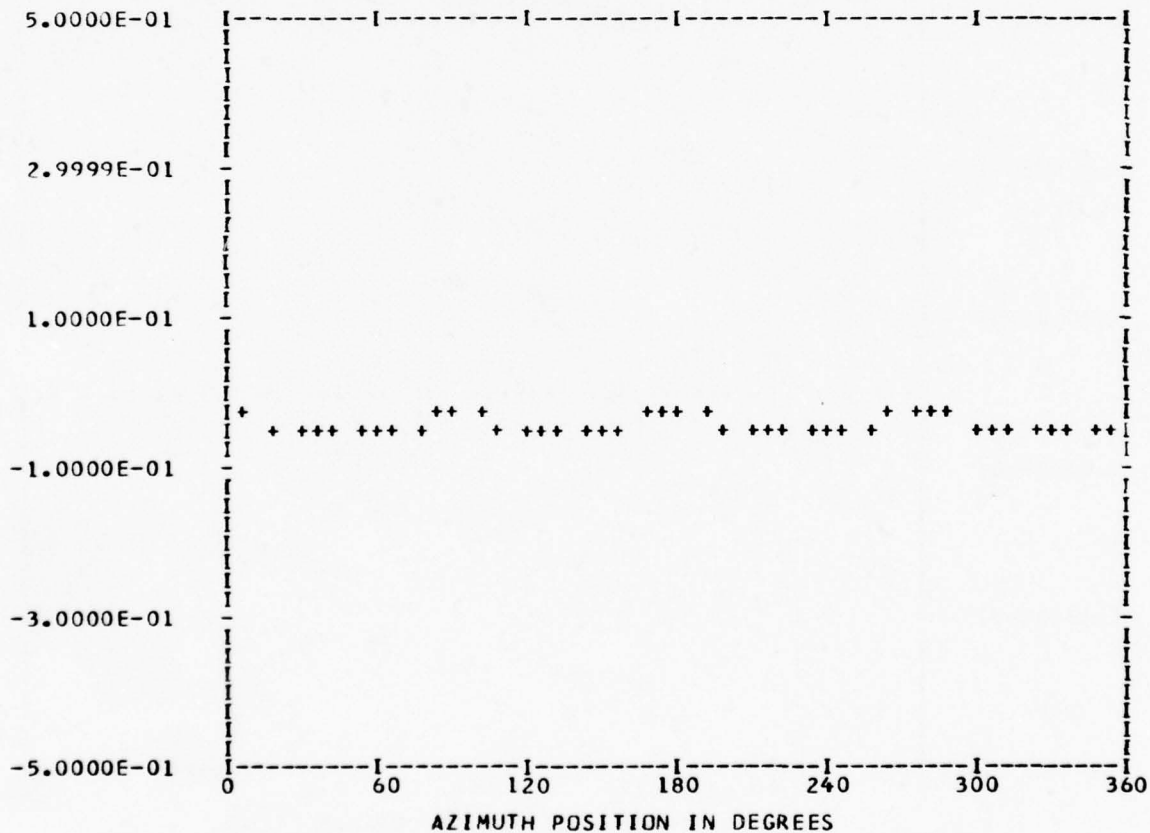
AZIMUTH POSITION IN DEGREES

167

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***				RUN	12
ENTERED	44			TP	6
OUT OF RANGE	0			CHAN	59
BANDEDGE	0				

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.17952E-02	1	0.30239E-04	0.45229E-03	0.45330E-03	3.8
	2	-0.35832E-04	0.28303E-05	0.35943E-04	274.5
	3	0.11181E-03	0.18166E-03	0.21331E-03	31.6
	4	0.35576E-03	0.15507E-03	0.38809E-03	66.4
	5	0.31526E-03	-0.14201E-03	0.34577E-03	114.2
	6	-0.36082E-05	-0.18972E-03	0.18976E-03	181.0
	7	-0.59762E-04	0.60628E-04	0.85131E-04	315.4
	8	0.24994E-03	0.55852E-05	0.25000E-03	88.7
	9	-0.14441E-03	-0.37544E-04	0.14921E-03	255.4
	10	0.49466E-05	0.12260E-03	0.12270E-03	2.3

MAX= 0.31395E-02   MIN= 0.14270E-03   PEAK TO PEAK/2= 0.14984E-02

AZIMUTH POSITION IN DEGREES

168

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO81.3   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***					RUN	12
ENTERED	44				TP	6
OUT OF RANGE	0				CHAN	49
BANDEDGE	0					

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.25377E 00	1	0.34581E-02	0.10021E-01	0.10601E-01	19.0
	2	0.60062E-02	-0.74930E-02	0.96031E-02	141.2
	3	-0.61724E-02	-0.17990E-02	0.64293E-02	253.7
	4	0.26466E-01	0.94521E-02	0.28103E-01	70.3
	5	C.18546E-02	-0.36748E-02	0.41163E-02	153.2
	6	-0.75426E-02	-0.43522E-02	0.87082E-02	240.0
	7	-0.15940E-02	0.19885E-02	0.25486E-02	321.2
	8	0.58642E-02	0.74671E-02	0.94945E-02	38.1
	9	0.31644E-02	-0.43848E-03	0.31947E-02	97.8
	10	0.56759E-02	-0.41685E-02	0.70422E-02	126.2

MAX= 0.30706E 00   MIN= 0.19353E 00   PEAK TC PEAK/2= 0.56762E-01
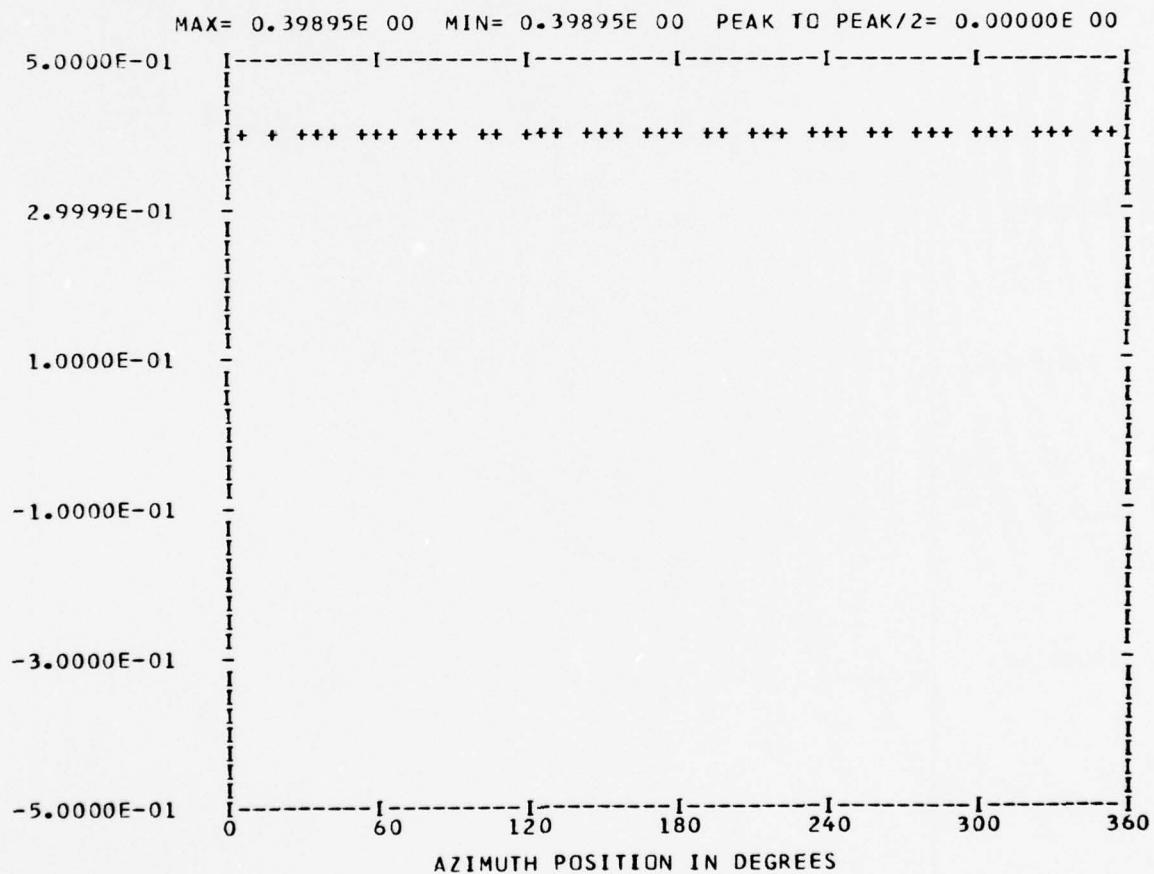

AZIMUTH POSITION IN DEGREES

169

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
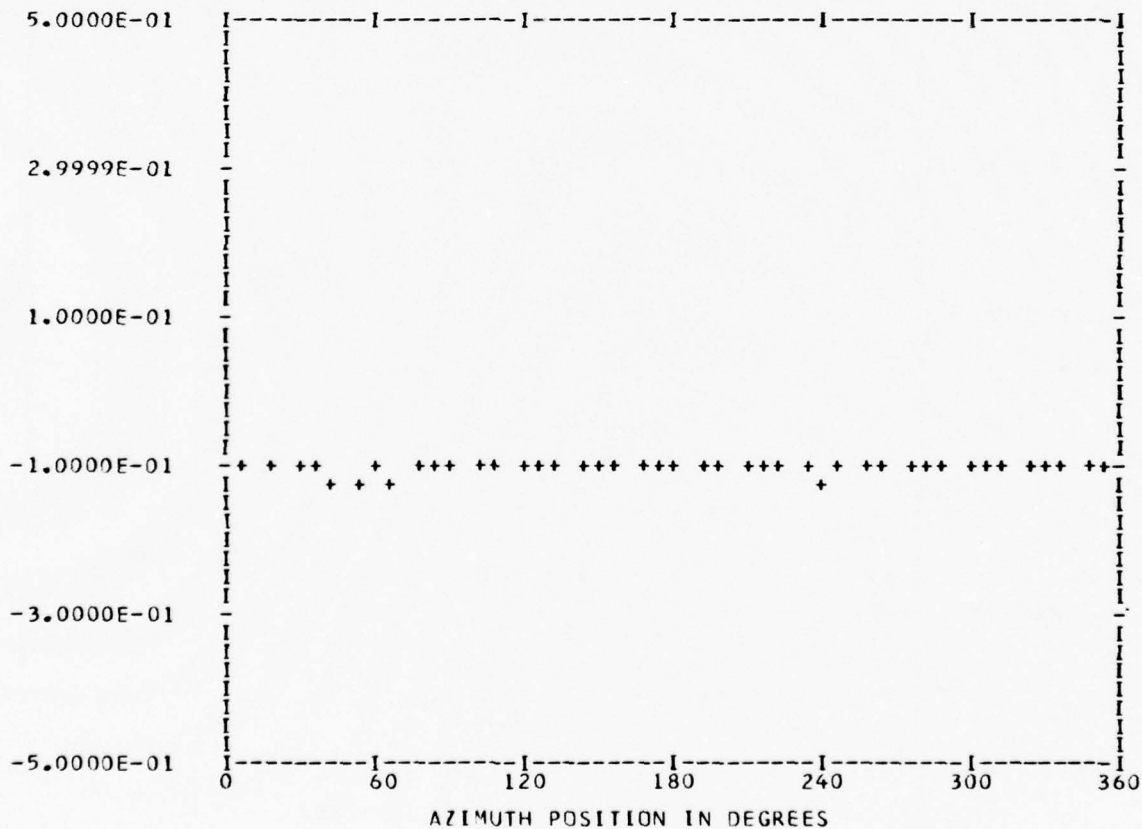
*** PS089.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   43
OUT OF RANGE   0
BANDEDGE   0

RUN   12
TP   6
CHAN   45

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.63075E-01	1	-0.88197E-02	-0.10212E-02	0.88786E-02	263.3
	2	0.59144E-04	0.81993E-02	0.81995E-02	0.4
	3	-0.12059E-01	-0.37838E-02	0.12639E-01	252.5
	4	0.33769E-01	0.19947E-01	0.39220E-01	59.4
	5	-0.83379E-03	-0.13015E-02	0.15457E-02	212.6
	6	-0.36313E-02	-0.24438E-02	0.43771E-02	236.0
	7	0.32641E-02	0.18510E-02	0.37524E-02	60.4
	8	0.14422E-01	0.96850E-02	0.17372E-01	56.1
	9	0.40134E-02	-0.19707E-02	0.44711E-02	116.1
	10	0.10807E-02	-0.64791E-03	0.12600E-02	120.9

MAX= 0.14443E 00   MIN= 0.10596E-01   PEAK TO PEAK/2= 0.66918E-01

AZIMUTH POSITION IN DEGREES

170

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO99.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   6
OUT OF RANGE   0   CHAN   56
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.14626E 00	1	0.43802E-03	0.75475E-02	0.75602E-02	3.3
	2	0.88051E-02	0.31836E-02	0.93630E-02	70.1
	3	0.44221E-02	0.22481E-03	0.44278E-02	87.0
	4	0.16839E-01	-0.19430E-01	0.25711E-01	139.0
	5	0.33132E-02	-0.15224E-03	0.33167E-02	92.6
	6	-0.12364E-02	-0.33724E-02	0.35919E-02	200.1
	7	-0.25410E-02	-0.56939E-02	0.62352E-02	204.0
	8	-0.21875E-02	-0.37193E-02	0.43149E-02	210.4
	9	-0.20941E-03	0.13421E-02	0.13583E-02	351.1
	10	-0.16150E-02	-0.53845E-03	0.17024E-02	251.5

MAX= 0.19259E 00 MIN= 0.94076E-01 PEAK TO PEAK/2= 0.49257E-01

AZIMUTH POSITION IN DEGREES

171

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
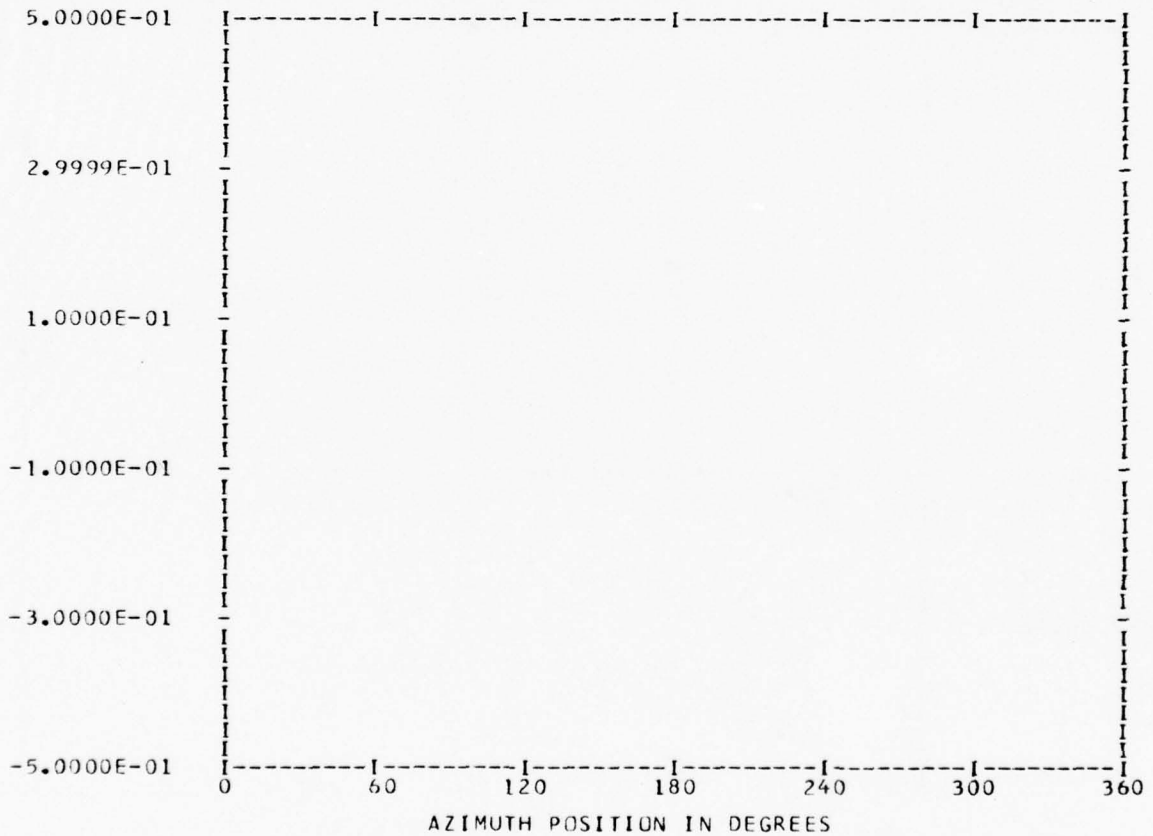
*** PS099.2 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   6
OUT OF RANGE   0   CHAN   46
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.29042E 00	1	0.72571E-02	0.99459E-02	0.12312E-01	36.1
	2	-0.66014E-02	0.11021E-01	0.12847E-01	329.0
	3	0.27815E-01	0.23969E-01	0.36718E-01	49.2
	4	0.10351E-01	-0.55957E-02	0.11767E-01	118.3
	5	0.66780E-02	0.96559E-02	0.11740E-01	34.6
	6	-0.53337E-02	-0.28021E-02	0.60250E-02	242.2
	7	-0.33157E-02	0.10859E-01	0.11354E-01	343.0
	8	0.65803E-02	-0.13743E-02	0.67223E-02	101.7
	9	-0.41250E-03	0.43521E-02	0.43716E-02	354.5
	10	0.55527E-02	-0.99272E-03	0.56408E-02	100.1

MAX= 0.38562E 00   MIN= 0.20625E 00   PEAK TO PEAK/2= 0.89683E-01

AZIMUTH POSITION IN DEGREES

172

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   6
OUT OF RANGE   0   CHAN   51
BANDEDGE   26   HARMONIC ANALYSIS SKIPPED

MAX=-0.21077E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.36532E-02

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01   -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           -
             I                                                           I
             I               +                         +                 I
             I + + +++ +++ + + ++ +++ +++ +++ ++ +++  ++ ++ +++ +++ +++ ++I
             I                                                           I
-3.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A      N   N  DDDD    EEEEE  DDDD    GGGG   EEEEE
B   B    A A    NN  N  D   D   E      D   D  G       E
BBBB    A   A   N N N  D   D   EEEE   D   D  G GGG   EEEE
B   B   AAAAA   N  NN  D   D   E      D   D  G   G   E
BBBB    A   A   N   N  DDDD    EEEEE  DDDD    GGGG   EEEEE
```

173

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

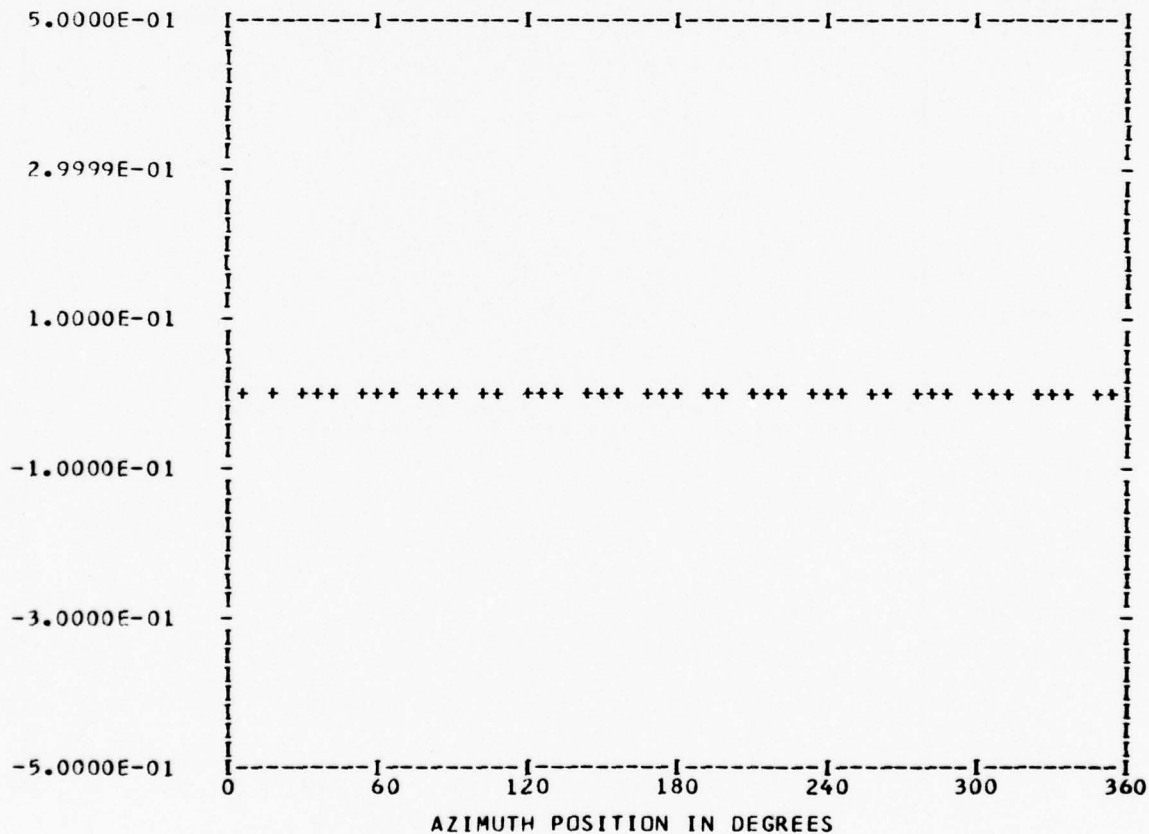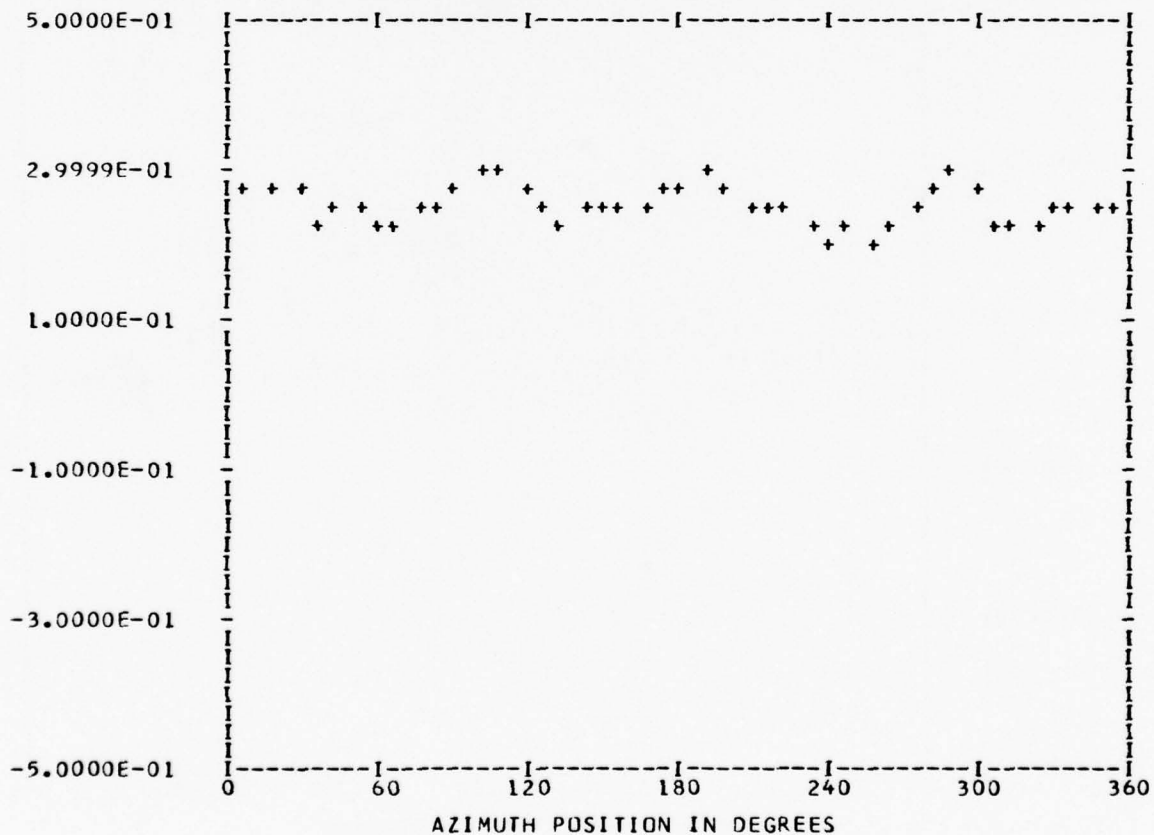*** PS107.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   12
ENTERED   44   TP   6
OUT OF RANGE   0   CHAN   55
BANDEDGE   0

    STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
 -0.72311E-01   1   -0.65738E-02   0.17010E-01   0.18236E-01   338.8
                 2   -0.11521E-01   0.18390E-01   0.21701E-01   327.9
                 3   -0.10059E-01   -0.82938E-02   0.13037E-01   230.4
                 4   0.13650E-01   0.20923E-02   0.13809E-01   81.2
                 5   -0.88721E-02   0.27915E-02   0.93009E-02   287.4
                 6   -0.47428E-02   0.11021E-02   0.48692E-02   283.0
                 7   -0.30536E-03   0.62516E-02   0.62590E-02   357.2
                 8   0.12435E-01   -0.17991E-02   0.12564E-01   98.2
                 9   0.75807E-02   0.46014E-02   0.88679E-02   58.7
                10   0.14051E-02   0.33823E-02   0.36625E-02   22.5

MAX= 0.17688E-02   MIN=-0.14803E 00   PEAK TO PEAK/2= 0.74900E-01
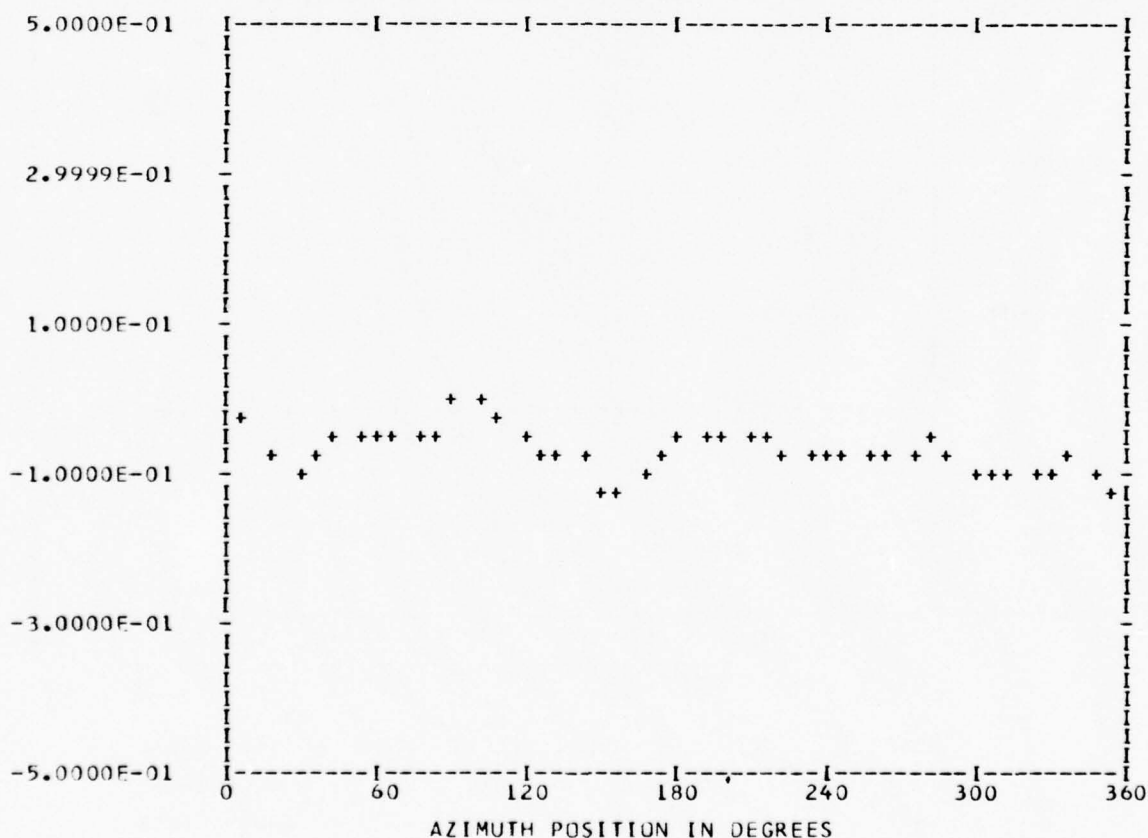
AZIMUTH POSITION IN DEGREES

174

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   12
TP   6
CHAN   60

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.40717E-01	1	-0.27215E-02	-0.12305E-01	0.12602E-01	192.4
	2	0.29779E-02	0.61928E-02	0.68716E-02	25.6
	3	0.14387E-02	0.15813E-01	0.15878E-01	5.1
	4	-0.21535E-02	-0.25789E-02	0.33598E-02	219.8
	5	0.12707E-01	-0.50561E-02	0.13676E-01	111.6
	6	-0.83304E-02	0.15249E-02	0.84689E-02	280.3
	7	0.27682E-03	-0.10477E-01	0.10480E-01	178.4
	8	-0.16484E-01	0.29784E-02	0.16751E-01	280.2
	9	-0.12276E-01	-0.31496E-02	0.12674E-01	255.6
	10	-0.54429E-02	-0.46460E-02	0.71562E-02	229.5

MAX= 0.20340E-02   MIN=-0.10929E 00   PEAK TC PEAK/2= 0.55665E-01
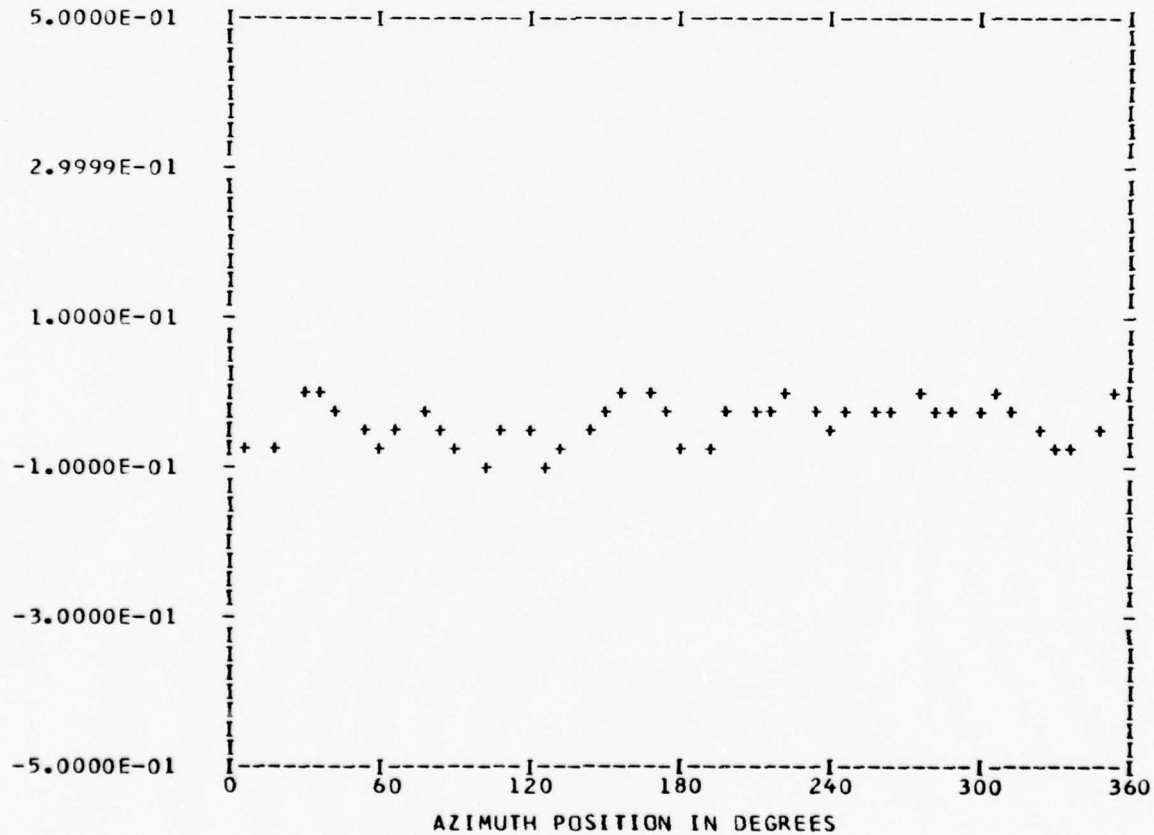
AZIMUTH POSITION IN DEGREES

175

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS107.3  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN    12
ENTERED              44                                      TP      6
OUT OF RANGE          0                                      CHAN   58
BANDEDGE              0

     STEADY      HARM    COS COEFF        SIN COEFF          RES        PHASE
  -0.15003E 00    1    -0.23062E-01     -0.15808E-01     0.27960E-01    235.5
                  2     0.61628E-02      0.30723E-02     0.68861E-02     63.5
                  3     0.21897E-01     -0.33130E-02     0.22146E-01     98.6
                  4     0.23845E-01     -0.89287E-02     0.25462E-01    110.5
                  5     0.69129E-02      0.74265E-02     0.10146E-01     42.9
                  6    -0.44384E-02     -0.82073E-02     0.93306E-02    208.4
                  7     0.43165E-02      0.20068E-02     0.47602E-02     65.0
                  8    -0.18448E-01     -0.10069E-02     0.18476E-01    266.8
                  9    -0.87992E-02      0.41509E-02     0.97291E-02    295.2
                 10    -0.16974E-02     -0.65633E-03     0.18199E-02    248.8
```

MAX=-0.85825E-01   MIN=-0.23678E 00   PEAK TO PEAK/2= 0.75478E-01
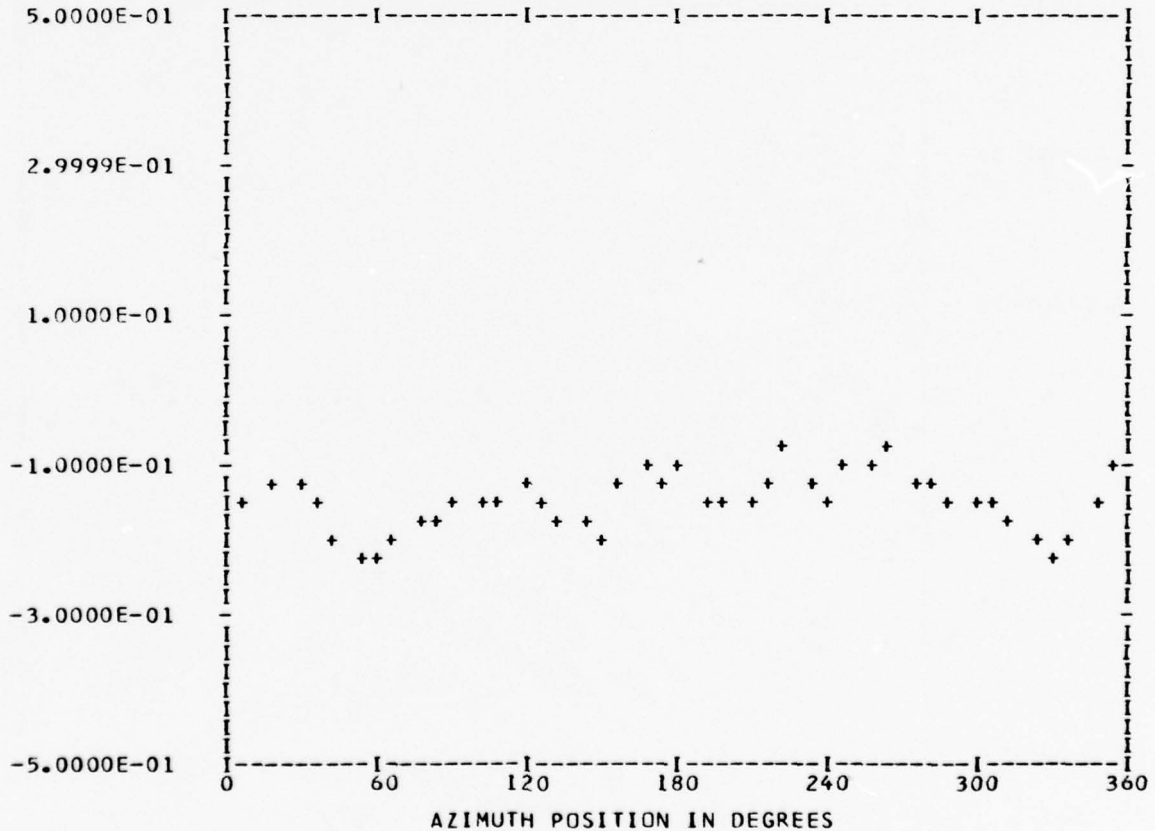
AZIMUTH POSITION IN DEGREES

176

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.4  WAVEFORM ***
                        ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                          RUN    12
ENTERED            44                                          TP      6
OUT OF RANGE        0                                          CHAN   52
BANDEDGE            0
```
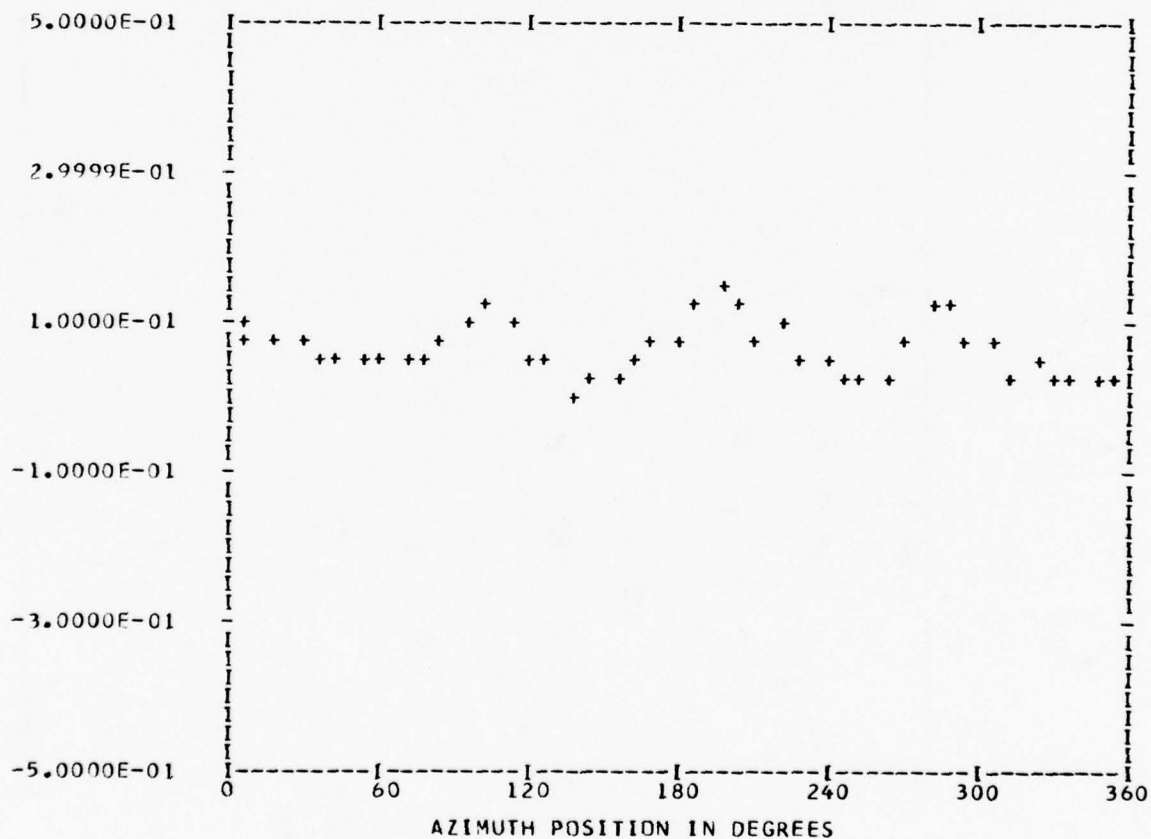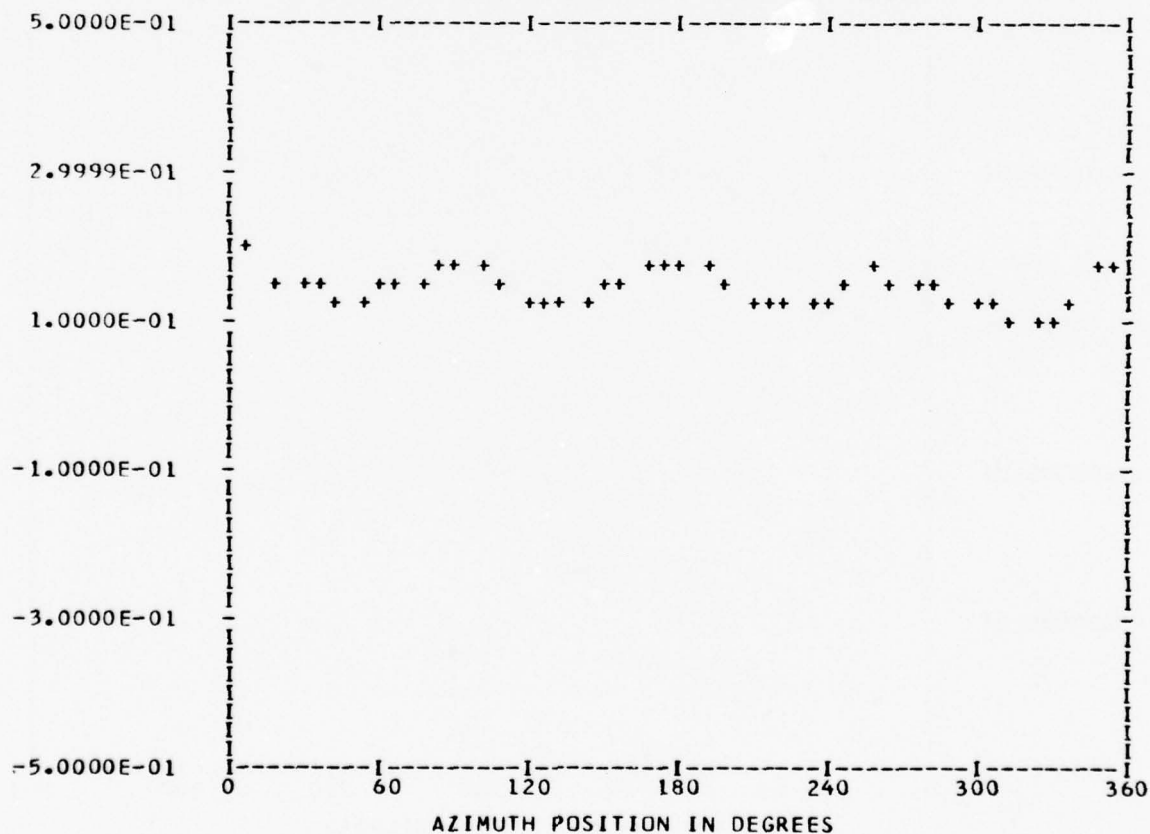
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.14896E-01	1	-0.24497E-01	-0.31651E-02	0.24700E-01	262.6
	2	0.10250E-01	0.70615E-02	0.12447E-01	55.4
	3	0.25610E-01	0.43199E-02	0.25972E-01	80.4
	4	0.51535E-01	-0.20539E-01	0.55477E-01	111.7
	5	-0.37409E-02	0.57195E-02	0.68342E-02	326.8
	6	-0.44062E-02	-0.21390E-02	0.48980E-02	244.1
	7	-0.17544E-02	0.11801E-01	0.11930E-01	351.5
	8	-0.84523E-02	0.98982E-02	0.13016E-01	319.5
	9	-0.16520E-02	0.51240E-02	0.53837E-02	342.1
	10	0.24046E-02	0.46985E-02	0.52780E-02	27.1

MAX= 0.52891E-01 MIN=-0.14624E 00 PEAK TO PEAK/2= 0.99566E-01
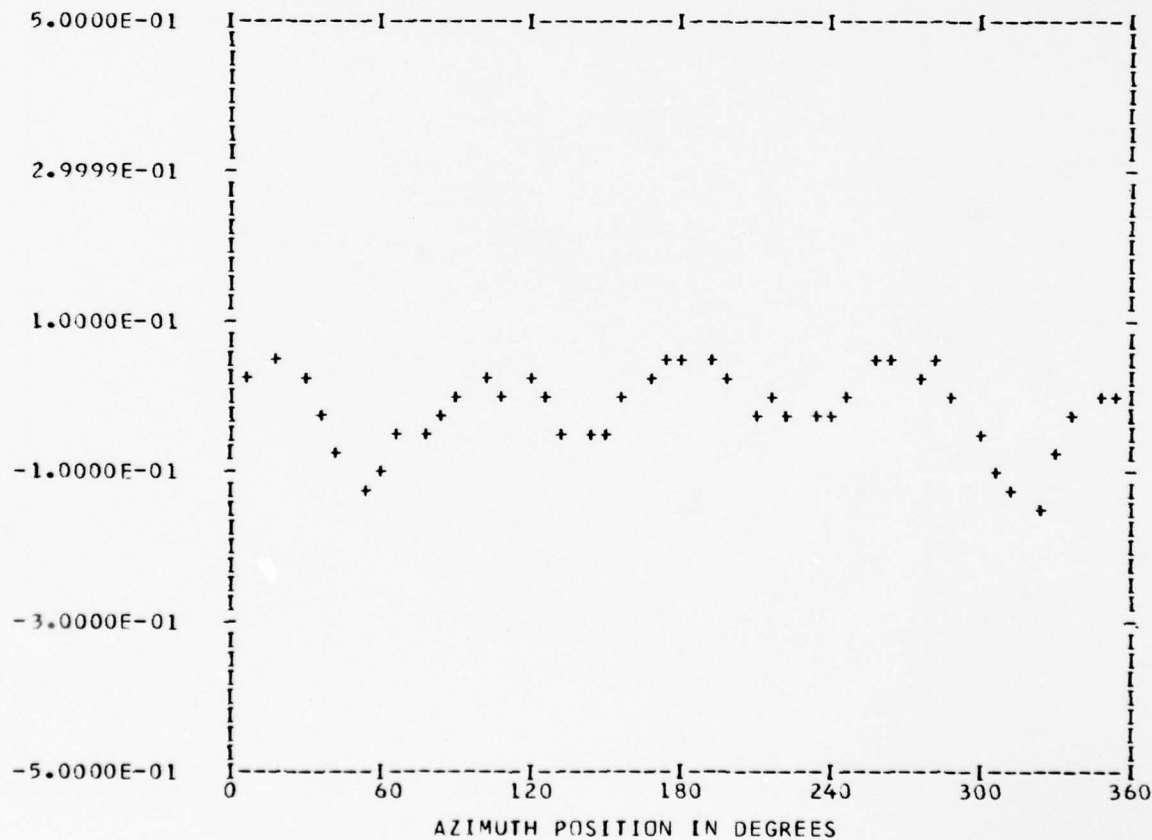
AZIMUTH POSITION IN DEGREES

177

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.5 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   12
TP   6
CHAN   47

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.23012E 00	1	0.13293E-01	-0.19278E-02	0.13433E-01	98.2
	2	-0.17898E-02	0.77740E-02	0.79774E-02	347.0
	3	0.16942E-02	0.15170E-01	0.15264E-01	6.3
	4	0.48951E-01	0.50069E-02	0.49207E-01	84.1
	5	0.75646E-03	-0.19267E-02	0.20699E-02	158.5
	6	-0.12166E-01	0.99012E-02	0.15686E-01	309.1
	7	-0.27344E-02	0.15523E-01	0.15762E-01	350.0
	8	0.69913E-02	-0.15009E-02	0.71506E-02	102.1
	9	-0.76861E-02	-0.10427E-01	0.12954E-01	216.3
	10	0.67848E-03	0.32611E-02	0.33310E-02	11.7

MAX= 0.33213E 00   MIN= 0.12837E 00   PEAK TO PEAK/2= 0.10188E 00

AZIMUTH POSITION IN DEGREES

178

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.6  WAVEFORM ***
                        ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                           RUN    12
ENTERED            44                                           TP      6
OUT OF RANGE        0                                           CHAN   50
BANDEDGE           44            HARMONIC ANALYSIS SKIPPED
```
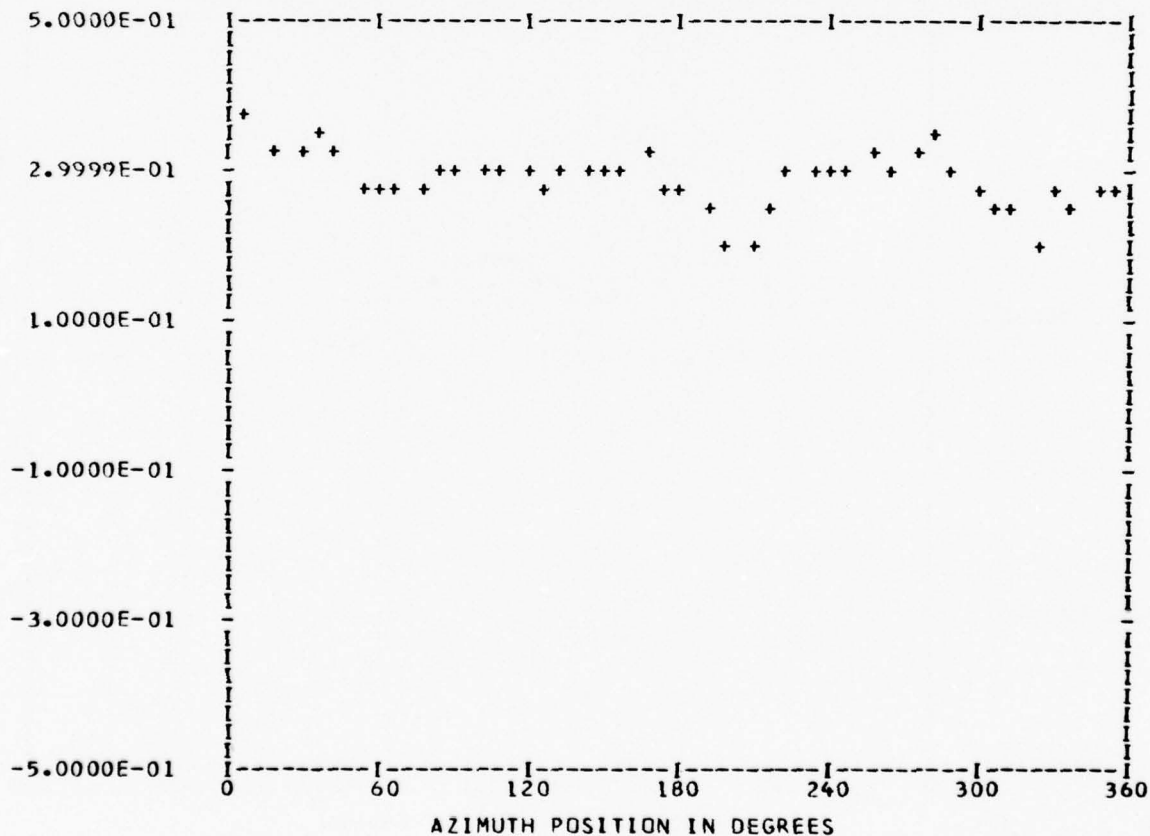
```
            MAX= 0.36109E 00   MIN= 0.36109E 00   PEAK TO PEAK/2= 0.00000E 00
  5.0000E-01    I---------I---------I---------I---------I---------I---------I
                I                                                           I
                I                                                           I
                I                                                           I
                I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
                I                                                           I
  2.9999E-01    -                                                           -
                I                                                           I
                I                                                           I
                I                                                           I
                I                                                           I
  1.0000E-01    -                                                           -
                I                                                           I
                I                                                           I
                I                                                           I
                I                                                           I
 -1.0000E-01    -                                                           -
                I                                                           I
                I                                                           I
                I                                                           I
                I                                                           I
 -3.0000E-01    -                                                           -
                I                                                           I
                I                                                           I
                I                                                           I
                I                                                           I
 -5.0000E-01    I---------I---------I---------I---------I---------I---------I
                0        60       120       180       240       300       360
                          AZIMUTH POSITION IN DEGREES
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```
    BBBB     A    N   N   DDDD    EEEEE   DDDD     GGGG   EEEEE
    B   B    A A   NN  N   D   D   E       D   D   G      E
    BBBB    A   A  N N N   D   D   EEEE    D   D   G GGG  EEEE
    B   B   AAAAA  N  NN   D   D   E       D   D   G   G  E
    BBBB    A   A  N   N   DDDD    EEEEE   DDDD     GGGG  EEEEE
```

179

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***				RUN	12
ENTERED	44			TP	6
OUT OF RANGE	0			CHAN	61
BANDEDGE	0				

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.93576E-01	1	0.12493E-01	-0.91520E-02	0.15487E-01	126.2
	2	-0.10192E-01	-0.11751E-01	0.15555E-01	220.9
	3	0.62631E-02	0.26274E-02	0.67919E-02	67.2
	4	-0.76545E-02	0.16608E-01	0.18287E-01	335.2
	5	0.61435E-02	-0.12898E-01	0.14286E-01	154.5
	6	-0.46986E-02	0.24358E-02	0.52925E-02	297.4
	7	0.12426E-01	-0.71305E-02	0.14326E-01	119.8
	8	0.11567E-01	-0.41450E-02	0.12288E-01	109.7
	9	-0.28754E-02	0.34966E-02	0.45271E-02	320.5
	10	-0.87271E-02	0.56334E-02	0.10387E-01	302.8

MAX=-0.22997E-01   MIN=-0.15388E 00   PEAK TO PEAK/2= 0.65444E-01

AZIMUTH POSITION IN DEGREES

180

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   12
TP   6
CHAN   50

HARMONIC ANALYSIS SKIPPED

MAX= 0.36109E 00   MIN= 0.36109E 00   PEAK TO PEAK/2= 0.00000E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                           I
2.9999E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A     N   N   DDDD   EEEEE  DDDD    GGGG   EEEEE
B   B    A A   NN  N   D   D  E      D   D  G       E
BBBB    A   A  N N N   D   D  EEEE   D   D  G  GG   EEEE
B   B   AAAAA  N  NN   D   D  E      D   D   G  G   E
BBBB    A   A  N   N   DDDD   EEEE   DDDD    GGGG   EEEEE
```

179

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS112.1   WAVEFORM ***
                    ***        CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN    12
ENTERED          44                                          TP      6
OUT OF RANGE      0                                          CHAN   61
BANDEDGE          0

    STEADY     HARM   COS COEFF      SIN COEFF         RES        PHASE
 -0.93576E-01    1   0.12493E-01   -0.91520E-02    0.15487E-01    126.2
                 2  -0.10192E-01   -0.11751E-01    0.15555E-01    220.9
                 3   0.62631E-02    0.26274E-02    0.67919E-02     67.2
                 4  -0.76545E-02    0.16608E-01    0.18287E-01    335.2
                 5   0.61435E-02   -0.12898E-01    0.14286E-01    154.5
                 6  -0.46986E-02    0.24358E-02    0.52925E-02    297.4
                 7   0.12426E-01   -0.71305E-02    0.14326E-01    119.8
                 8   0.11567E-01   -0.41450E-02    0.12288E-01    109.7
                 9  -0.28754E-02    0.34966E-02    0.45271E-02    320.5
                10  -0.87271E-02    0.56334E-02    0.10387E-01    302.8
```
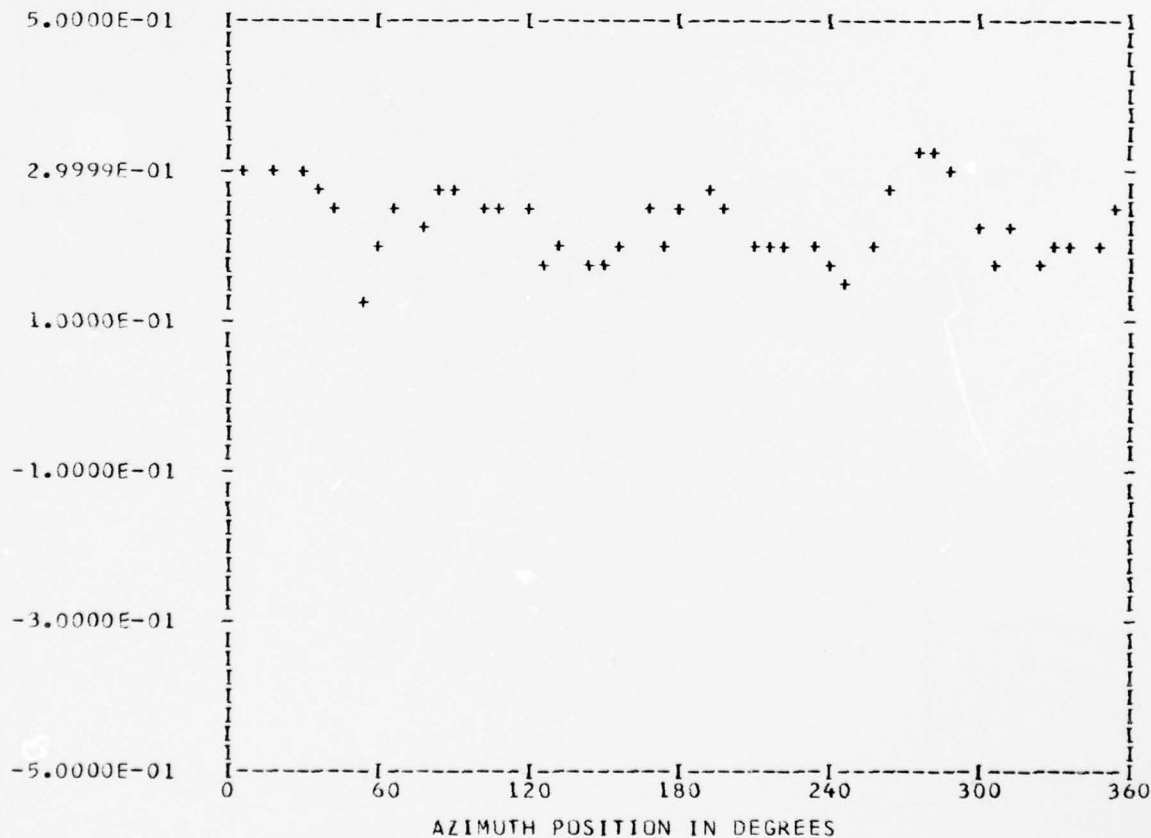
MAX=-0.22997E-01   MIN=-0.15388E 00   PEAK TO PEAK/2= 0.65444E-01

AZIMUTH POSITION IN DEGREES
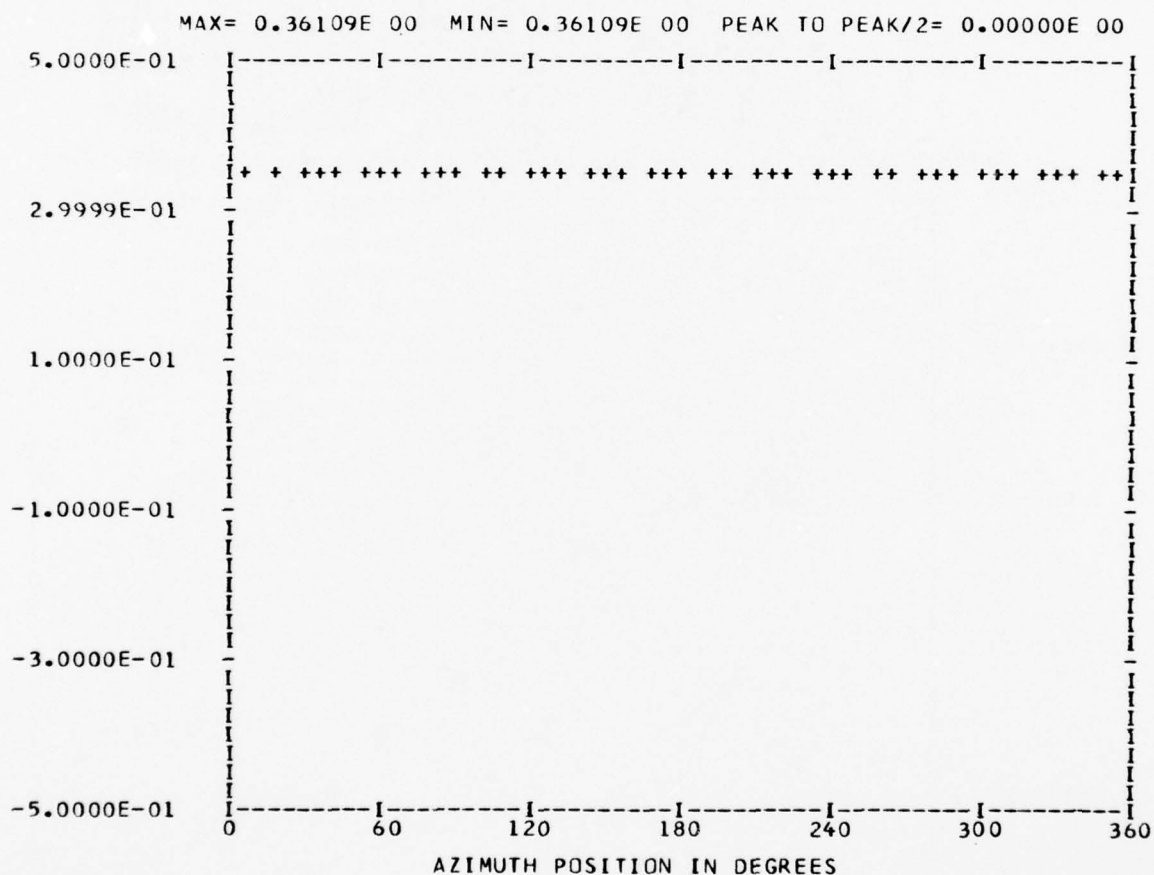
180

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   12
TP   6
CHAN   48

HARMONIC ANALYSIS SKIPPED

MAX= 0.39895E 00   MIN= 0.39895E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
              I                                                           I
 2.9999E-01  -I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01  -I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01  -I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-3.0000E-01  -I                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60        120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N   DDDD    EEEEE   DDDD     GGGG   EEEEE
B   B    A A     NN  N   D   D   E       D   D   G       E
BBBB     A  A    N N N   D   D   EEEE    D   D   G GGG   EEEE
B   B   AAAAA    N  NN   D   D   E       D   D   G   G   E
BBBB    A    A   N   N   DDDD    EEEEE   DDDD     GGGG   EEEEE
```

181
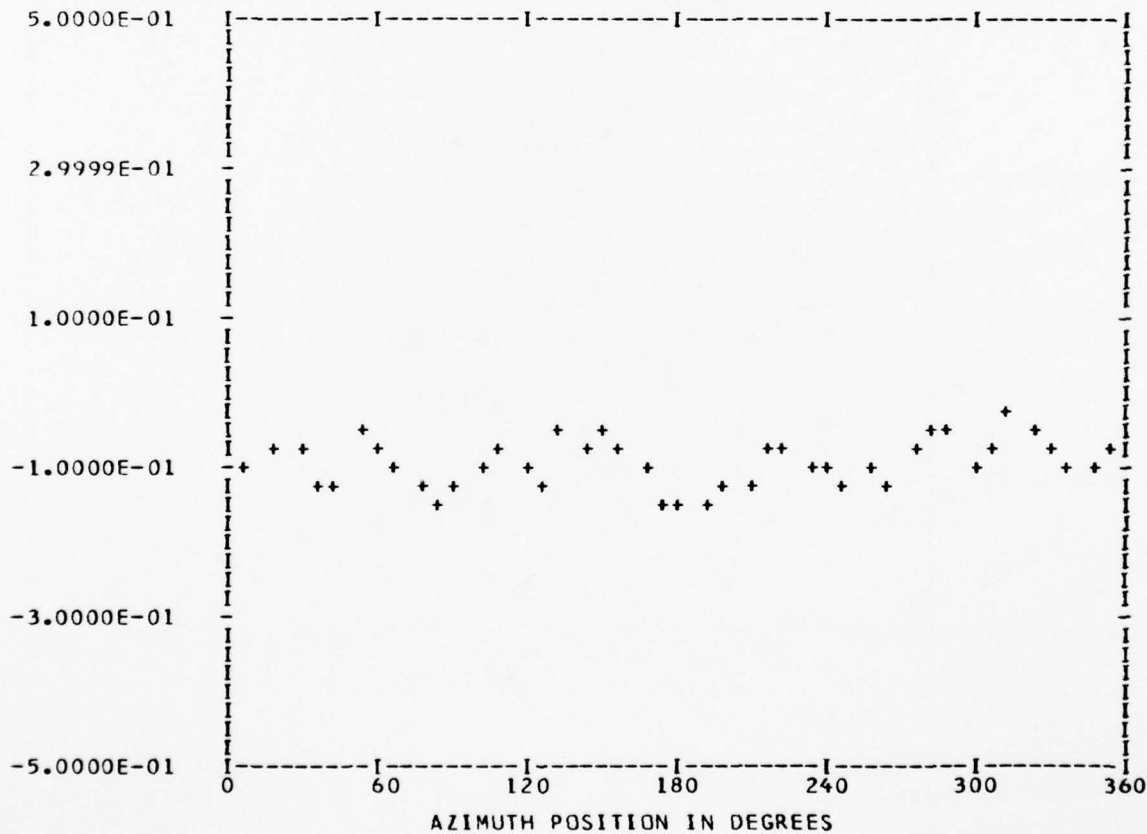
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***						RUN	12
ENTERED	44					TP	6
OUT OF RANGE	0					CHAN	57
BANDEDGE	0						

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.32841E 00	1	-0.22421E-01	-0.27846E-01	0.35751E-01	218.8
	2	-0.13691E-02	0.48655E-02	0.50545E-02	344.2
	3	-0.17637E-02	-0.16586E-02	0.24211E-02	226.7
	4	-0.33937E-02	0.65220E-01	0.65308E-01	357.0
	5	0.84381E-02	-0.51635E-02	0.98926E-02	121.4
	6	-0.12357E-02	-0.88710E-02	0.89566E-02	187.9
	7	-0.55410E-03	0.19722E-02	0.20485E-02	344.3
	8	0.45560E-02	-0.97745E-02	0.10784E-01	155.0
	9	-0.15183E-01	-0.35068E-02	0.15582E-01	256.9
	10	0.58546E-03	0.90402E-03	0.10770E-02	32.9

MAX=-0.19887E 00   MIN=-0.41782E 00   PEAK TC PEAK/2= 0.10947E 00
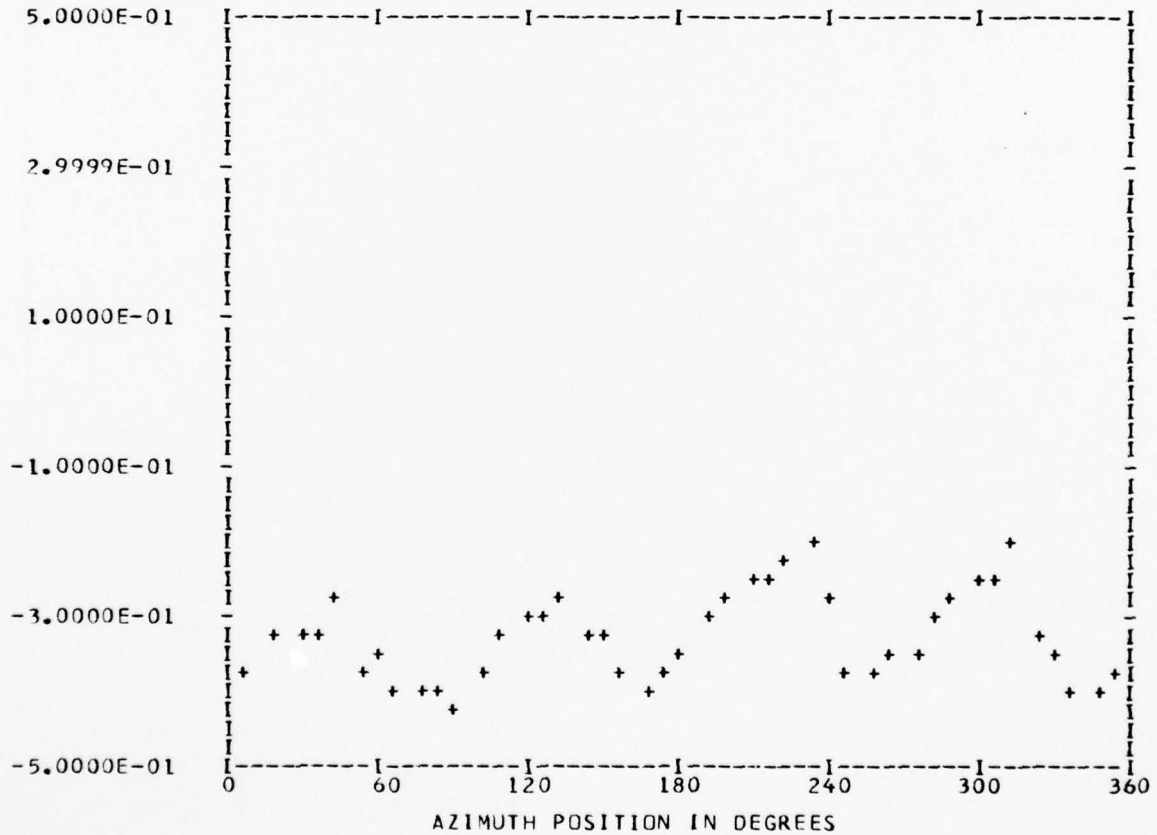
AZIMUTH POSITION IN DEGREES
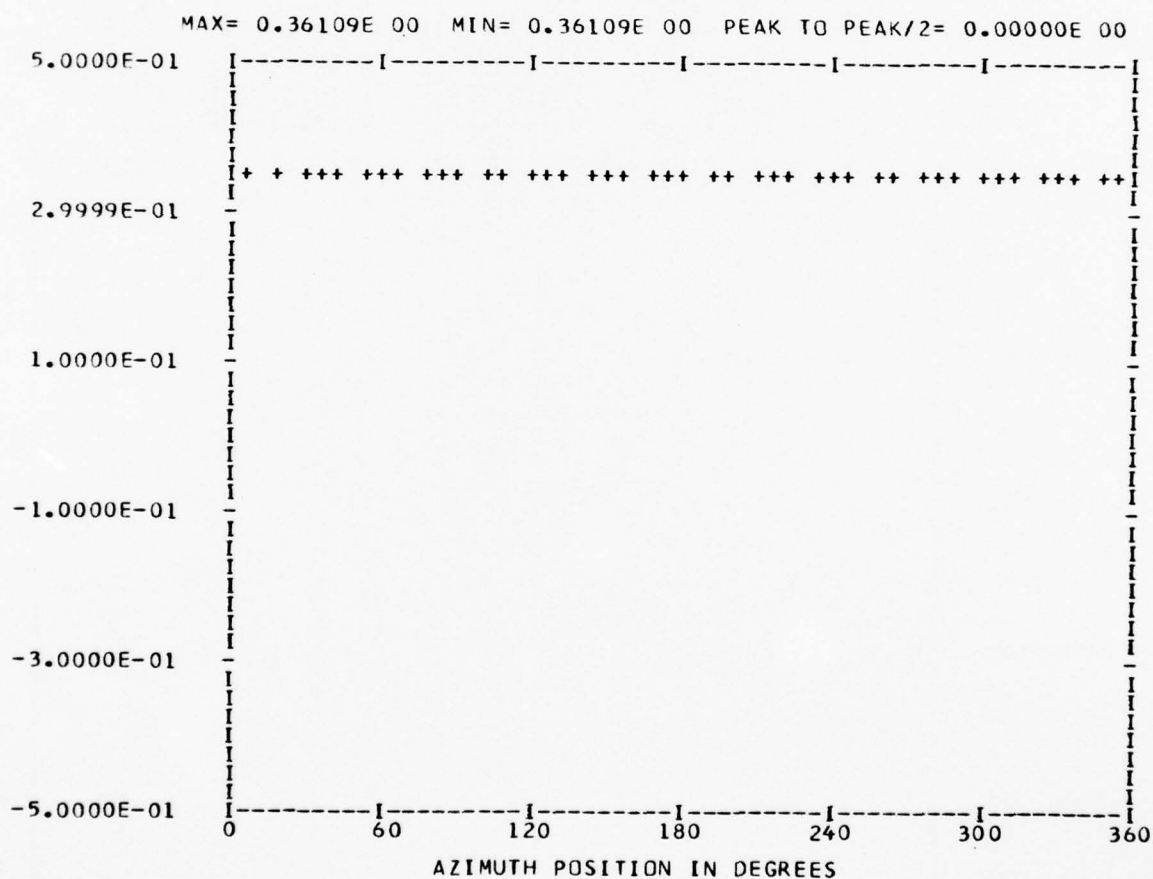
182

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
***   CYCLE 0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   33

RUN   12
TP   6
CHAN   53

HARMONIC ANALYSIS SKIPPED
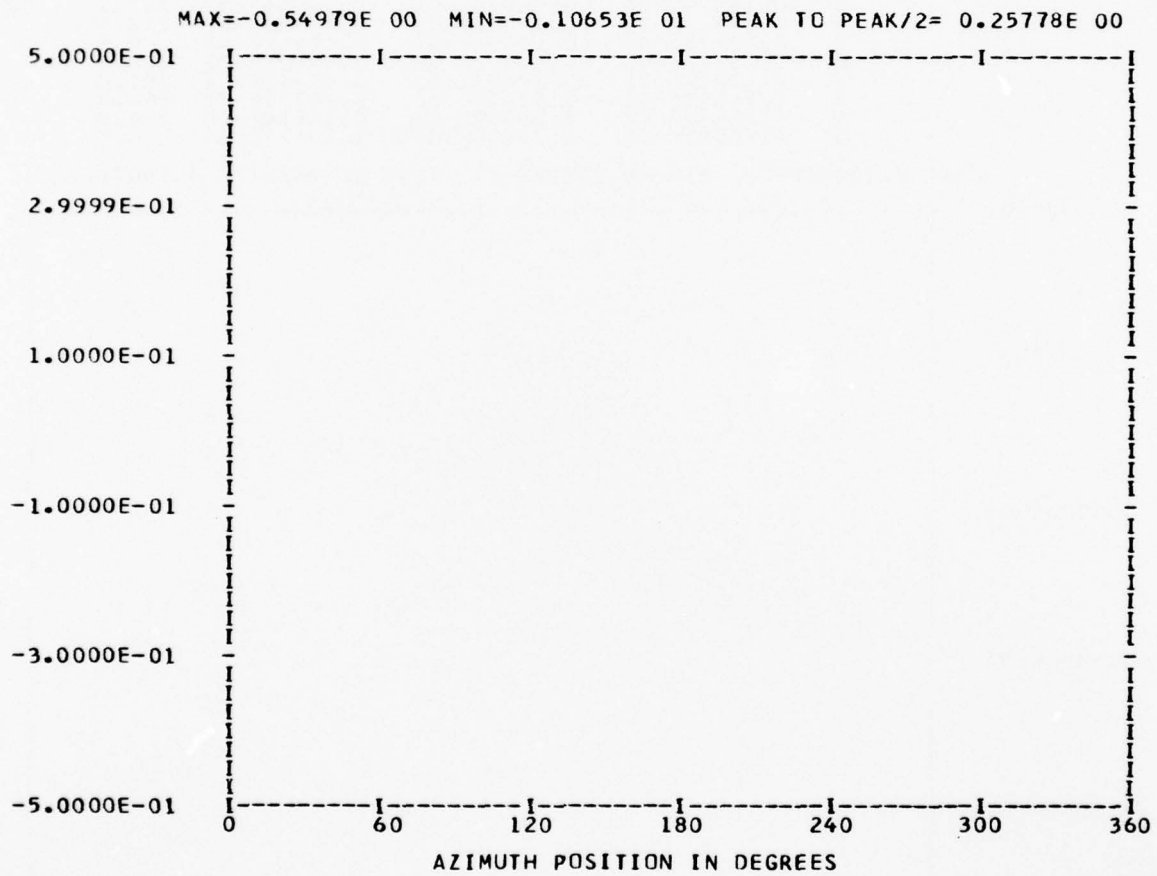
MAX=-0.54979E 00   MIN=-0.10653E 01   PEAK TO PEAK/2= 0.25778E 00

AZIMUTH POSITION IN DEGREES

```
BBBB      A     N    N  DDDD    EEEEE  DDDD     GGGG   EEEEE
B    B    A A   NN   N  D    D  E      D    D  G      E
BBBB     A   A  N N  N  D    D  EEEE   D    D  G  GGG  EEEE
B    B   AAAAA  N  NN N  D    D  E      D    D  G    G  E
BBBB     A   A  N    N  DDDD    EEEEE  DDDD     GGGG   EEEEE
```

183

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                          *** PS081.1   WAVEFORM ***
                          ***        CYCLE   0       ***
*** DATA ANALYSIS ***                                               RUN    13
ENTERED              44                                             TP      4
OUT OF RANGE          0                                             CHAN   54
BANDEDGE              0
```
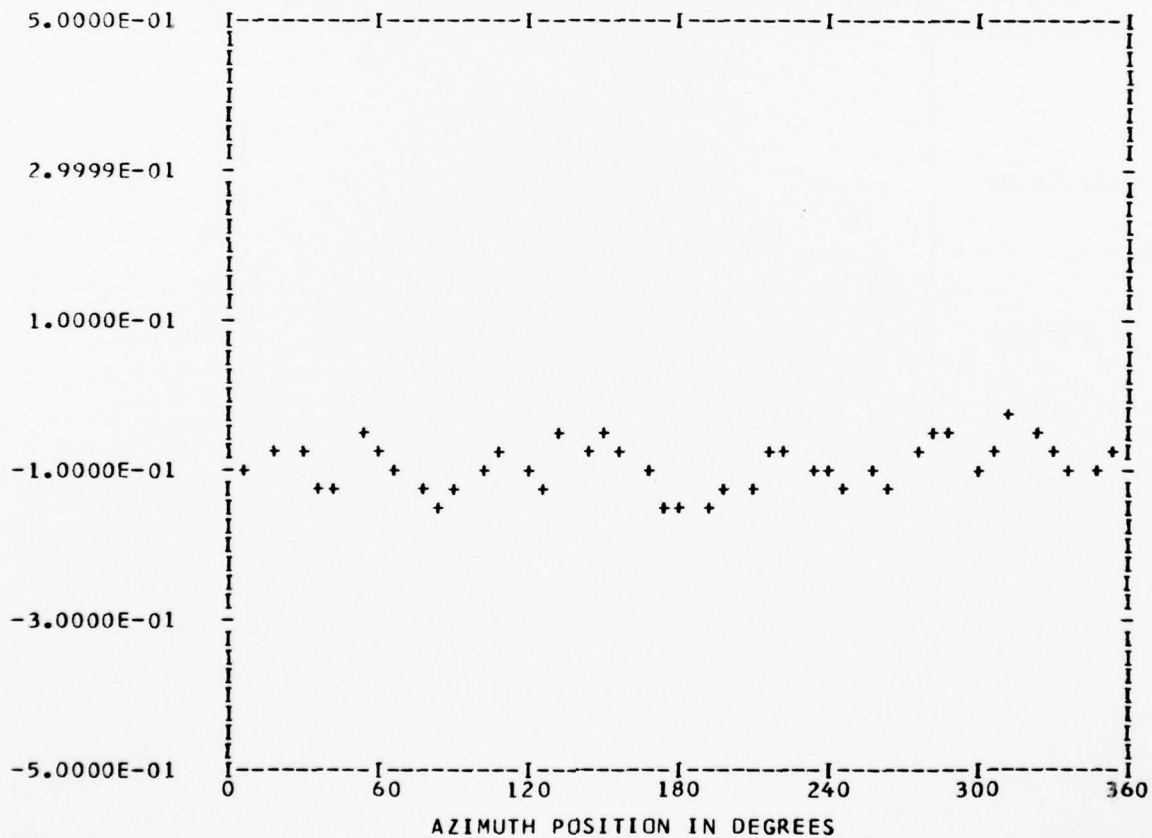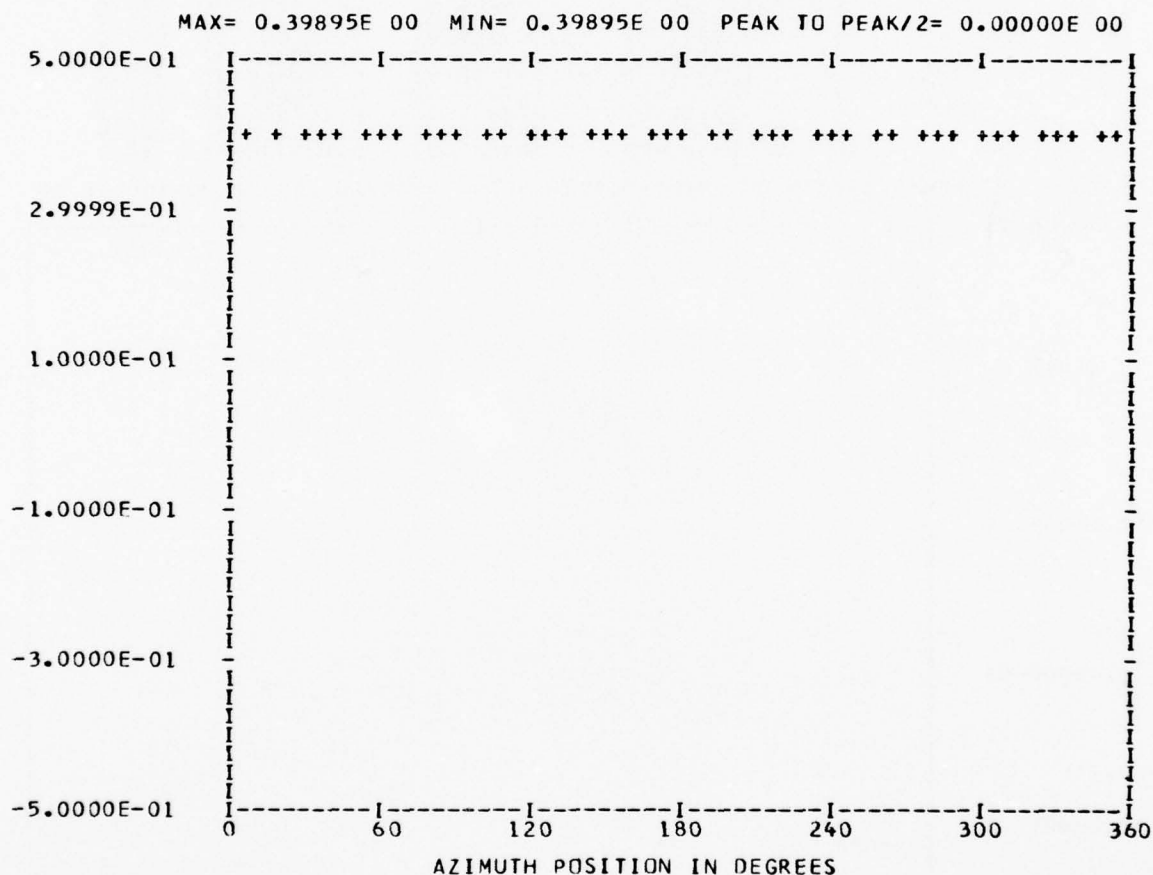
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.11701E-01	1	0.20782E-02	-0.29697E-02	0.36246E-02	145.0
	2	0.89865E-03	0.12232E-02	0.15178E-02	36.3
	3	-0.13874E-02	-0.56070E-03	0.14964E-02	247.9
	4	0.85143E-02	-C.46045E-02	0.96796E-02	118.4
	5	0.13173E-03	0.10359E-02	0.10442E-02	7.2
	6	-0.14290E-02	-0.49544E-03	0.15124E-02	250.8
	7	0.10219E-02	-0.19983E-03	0.10413E-02	101.0
	8	0.56898E-03	-0.13152E-02	0.14330E-02	156.6
	9	-0.11476E-02	-0.56099E-03	0.12774E-02	243.9
	10	0.10592E-02	-0.78165E-03	0.13164E-02	126.4

```
      MAX= 0.18485E-02   MIN=-0.36293E-01   PEAK TO PEAK/2= 0.19071E-01

5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01   -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           -
             I                                                           I
             I+ + +    +++  ++     +++ ++     +++ ++      ++ +++ +    + ++I
             I    ++ +++    +++  +++     +++ +++    +++ +++    ++ ++  ++  I
             I                                                           I
-1.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           -
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0         60        120       180       240       300      360
                          AZIMUTH POSITION IN DEGREES
```

184

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.2   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***

			RUN	13
ENTERED	44		TP	4
OUT OF RANGE	0		CHAN	59
BANDEDGE	0			

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.17116E 00	1	0.26725E-01	-0.25210E-01	0.36739E-01	133.3
	2	-0.10291E-01	0.19130E-01	0.21723E-01	331.7
	3	-0.17022E-01	-0.12606E-01	0.21182E-01	233.4
	4	0.33066E-01	-0.11701E-01	0.35075E-01	109.4
	5	-0.15879E-01	0.98198E-02	0.18670E-01	301.7
	6	-0.55459E-02	-0.83564E-03	0.56085E-02	261.4
	7	-0.13988E-01	0.10995E-01	0.17792E-01	308.1
	8	-0.58103E-04	-0.11424E-01	0.11424E-01	180.2
	9	-0.28936E-03	0.16528E-02	0.16779E-02	350.0
	10	-0.10256E-01	0.18159E-02	0.10415E-01	280.0

MAX= 0.27093E 00   MIN=-0.69392E-01   PEAK TC PEAK/2= 0.17016E 00

AZIMUTH POSITION IN DEGREES

185

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PSO81.3   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   13
TP   4
CHAN   49

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.24777E 00	1	0.41334E-02	-0.29948E-02	0.51043E-02	125.9
	2	-0.35504E-03	-0.62651E-02	0.62752E-02	183.2
	3	0.88186E-03	0.47137E-02	0.47954E-02	10.5
	4	0.14962E-01	0.99097E-02	0.17946E-01	56.4
	5	0.36442E-03	0.46616E-03	0.59170E-03	38.0
	6	-0.88937E-03	0.64515E-03	0.10987E-02	305.9
	7	0.19194E-03	-0.34384E-02	0.34437E-02	176.8
	8	0.57011E-02	0.70684E-02	0.90811E-02	38.8
	9	0.21841E-02	0.12043E-02	0.24942E-02	61.1
	10	-0.85618E-03	-0.72951E-03	0.11248E-02	229.5

MAX= 0.28796E 00   MIN= 0.21432E 00   PEAK TO PEAK/2= 0.36821E-01
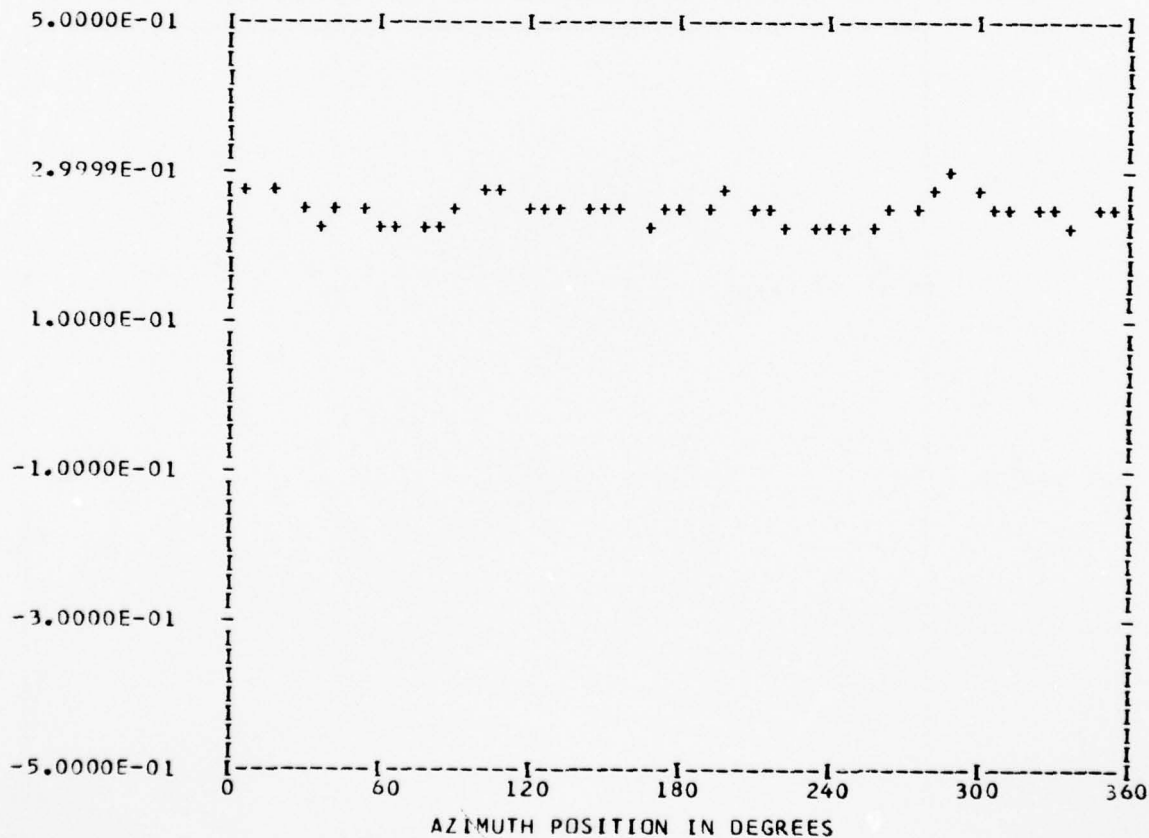
AZIMUTH POSITION IN DEGREES

186

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PSO89.1   WAVEFORM ***
                    ***    CYCLE    0      ***
*** DATA ANALYSIS ***                                        RUN    13
ENTERED          44                                          TP      4
OUT OF RANGE      0                                          CHAN   45
BANDEDGE          0
```
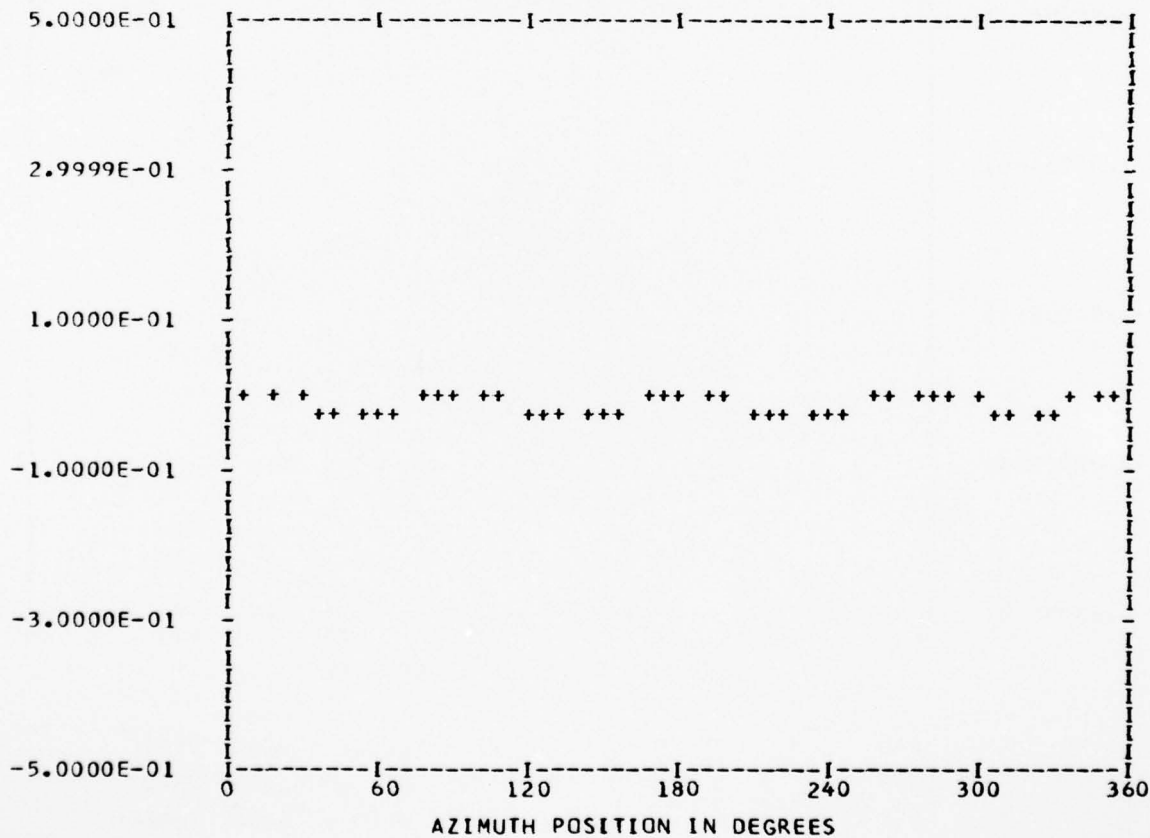
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.41807E-01	1	-0.53498E-02	0.35961E-02	0.64461E-02	303.9
	2	0.50182E-02	-0.26749E-02	0.56867E-02	118.0
	3	0.63941E-03	-0.35893E-02	0.36459E-02	169.8
	4	0.25441E-01	-0.11537E-02	0.25468E-01	92.5
	5	0.39840E-04	-0.11343E-01	0.11343E-01	179.7
	6	0.10562E-01	-0.12713E-02	0.10639E-01	96.8
	7	0.37755E-02	0.62622E-03	0.38271E-02	80.5
	8	0.13743E-01	0.25726E-02	0.13982E-01	79.3
	9	-0.39290E-02	0.18455E-02	0.43409E-02	295.1
	10	-0.23919E-02	0.33247E-02	0.40958E-02	324.2

MAX= 0.99400E-01   MIN=-0.70640E-02   PEAK TO PEAK/2= 0.53232E-01
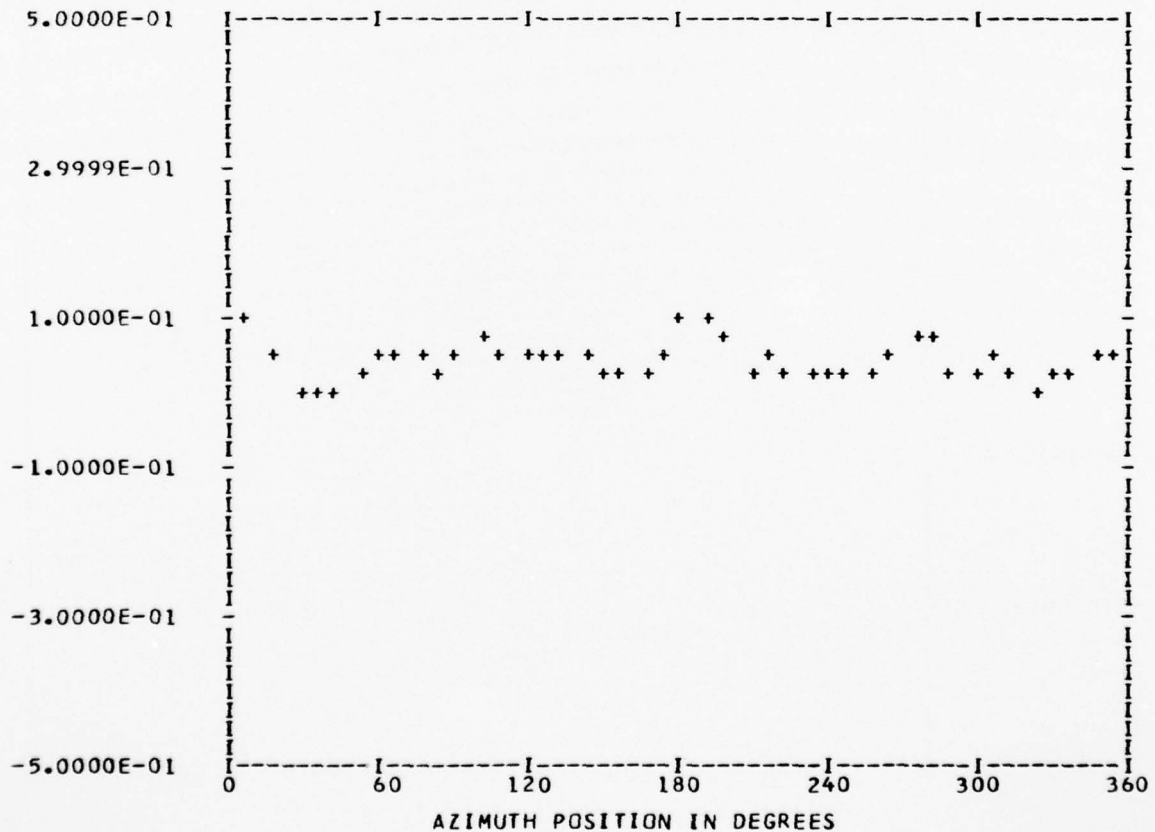
AZIMUTH POSITION IN DEGREES

187

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PS099.1  WAVEFORM ***
                    ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                          RUN    13
ENTERED                44                                      TP      4
OUT OF RANGE            0                                      CHAN   56
BANDEDGE                0
```
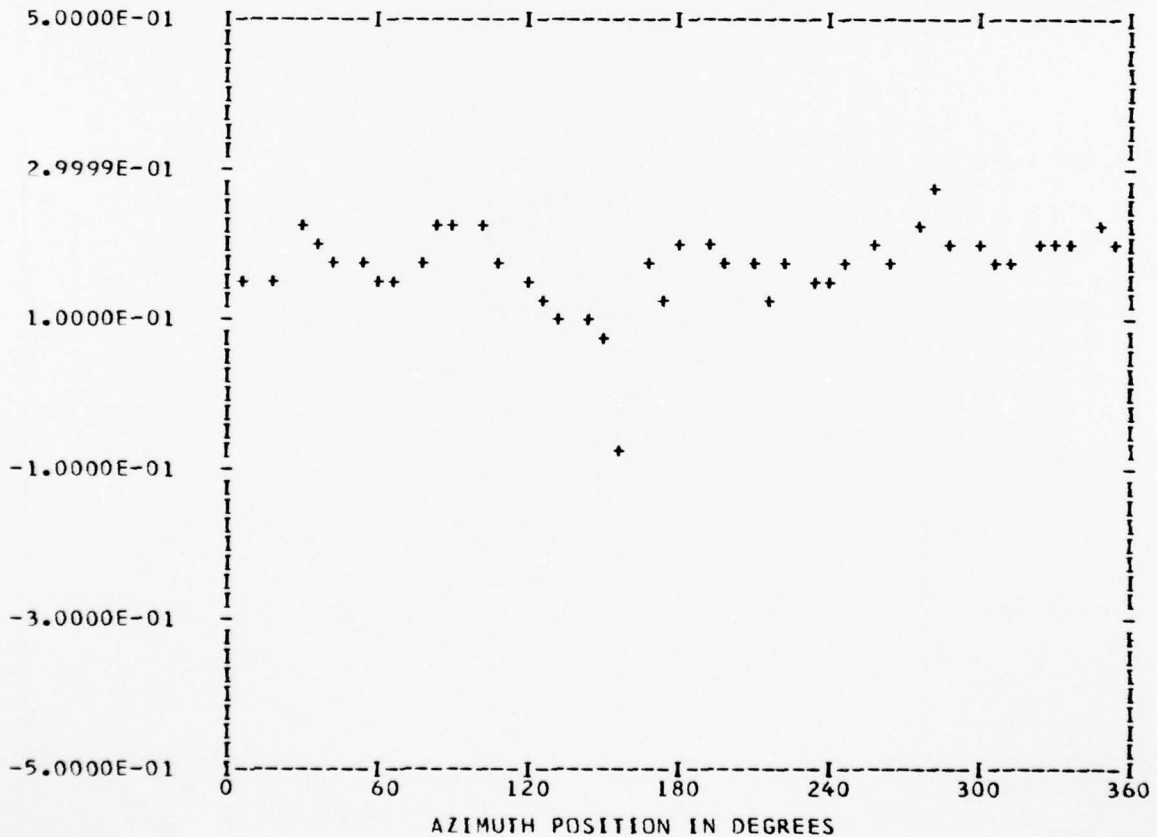
STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.12037E 00	1	0.18256E-02	0.59289E-02	0.62036E-02	17.1
	2	0.30497E-02	0.17270E-02	0.35047E-02	60.4
	3	0.52303E-02	0.11204E-02	0.53490E-02	77.9
	4	0.14819E-01	-0.16302E-01	0.22031E-01	137.7
	5	-0.34808E-03	-0.27766E-02	0.27984E-02	187.1
	6	-0.77227E-02	0.76634E-03	0.77606E-02	275.6
	7	-0.27407E-02	0.62095E-03	0.28101E-02	282.7
	8	-0.19446E-02	-0.92777E-02	0.94793E-02	191.8
	9	-0.56884E-02	-0.34118E-02	0.66331E-02	239.0
	10	-0.39077E-02	-0.56222E-02	0.68469E-02	214.8

MAX= 0.18007E 00   MIN= 0.81315E-01   PEAK TO PEAK/2= 0.49381E-01
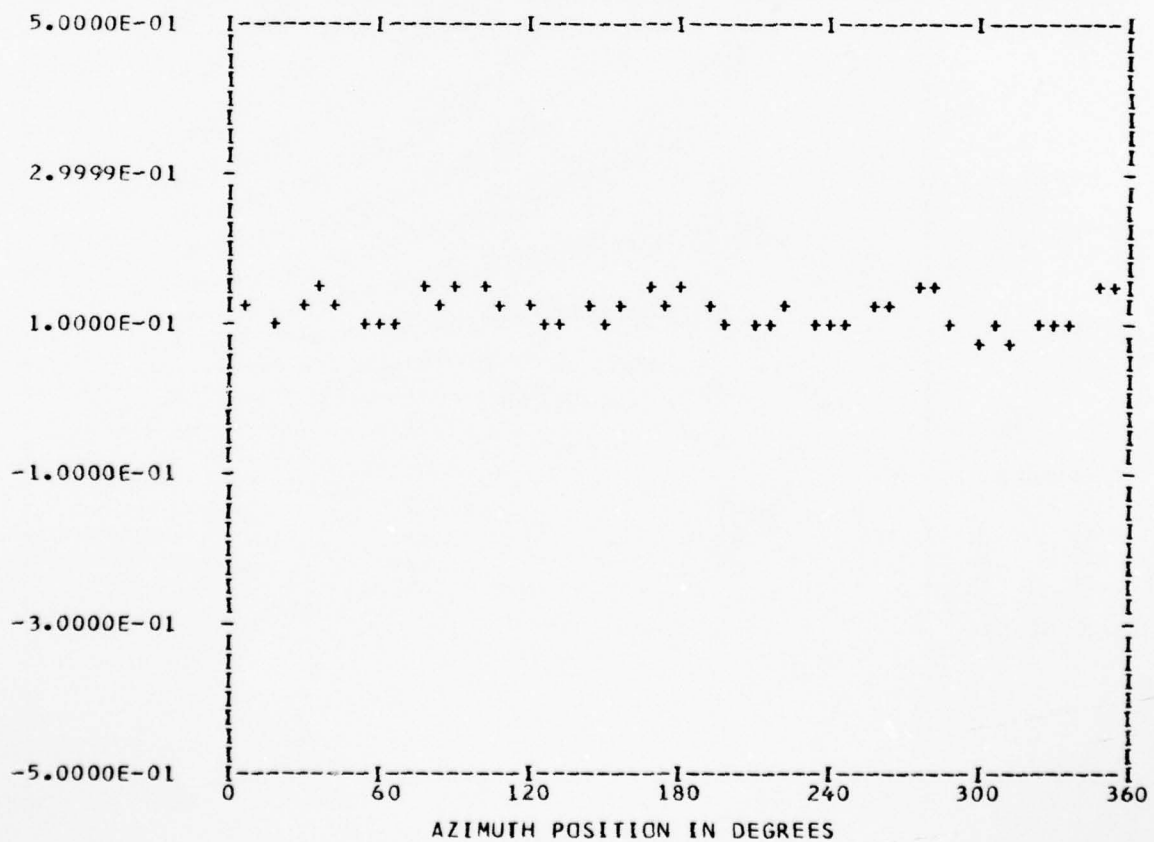
AZIMUTH POSITION IN DEGREES

188

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.2   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   13
TP   4
CHAN   46

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.10015E 00	1	-0.15966E-01	-0.12577E-01	0.20325E-01	231.7
	2	0.39393E-04	0.92065E-03	0.92150E-03	2.4
	3	0.29007E-02	0.11847E-01	0.12197E-01	13.7
	4	0.11474E-01	0.51189E-02	0.12564E-01	65.9
	5	-0.54178E-02	-0.72811E-03	0.54665E-02	262.3
	6	0.79597E-02	0.13336E-01	0.15531E-01	30.8
	7	0.93675E-02	0.63040E-02	0.11291E-01	56.0
	8	0.48246E-02	-0.45695E-02	0.66451E-02	133.4
	9	0.20887E-02	0.53794E-02	0.57707E-02	21.2
	10	0.41631E-02	0.15161E-02	0.44306E-02	69.9

MAX= 0.16923E 00   MIN= 0.50157E-01   PEAK TO PEAK/2= 0.59538E-01

AZIMUTH POSITION IN DEGREES

189

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                    *** PSO99.3  WAVEFORM ***
                    ***      CYCLE   0      ***
  *** DATA ANALYSIS ***                                      RUN    13
  ENTERED                44                                  TP      4
  OUT OF RANGE            0                                  CHAN   51
  BANDEDGE              19           HARMONIC ANALYSIS SKIPPED
```

```
        MAX=-0.21139E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.33400E-02
  5.0000E-01   I--------I---------I---------I---------I---------I---------I
               I                                                         I
               I                                                         I
               I                                                         I
               I                                                         I
  2.9999E-01   -                                                         -
               I                                                         I
               I                                                         I
               I                                                         I
               I                                                         I
  1.0000E-01   -                                                         -
               I                                                         I
               I                                                         I
               I                                                         I
               I                                                         I
 -1.0000E-01   -                                                         -
               I                                                         I
               I                                                         I
               I+                                                        I
               I  +  +++  +++  +++  ++  +++  +++  +++  +  +++  +++  ++  +++  +++  +++  ++
               I                                                         I
 -3.0000E-01   -                                                         -
               I                                                         I
               I                                                         I
               I                                                         I
               I                                                         I
 -5.0000E-01   I--------I---------I---------I---------I---------I---------I
               0       60        120       180       240       300      360
                          AZIMUTH POSITION IN DEGREES
```

```
        BBBB     A     N   N  DDDD   EEEEE  DDDD     GGGG   EEEEE
        B   B   A A    NN  N  D   D  E      D   D   G       E
        BBBB   A   A   N N N  D   D  EEEE   D   D   G  GGG  EEEE
        B   B  AAAAA   N  NN  D   D  E      D   D   G   G   E
        BBBB   A   A   N   N  DDDD   EEEEE  DDDD     GGGG   EEEEE
```

190

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS107.1  WAVEFORM ***
                        ***      CYCLE   0      ***
*** DATA ANALYSIS ***                                              RUN    13
ENTERED              44                                            TP      4
OUT OF RANGE          0                                            CHAN   55
BANDEDGE              0

    STEADY      HARM    COS COEFF         SIN COEFF            RES         PHASE
  -0.65107E-01    1   -0.24328E-01       0.55204E-02       0.24947E-01    282.7
                  2   -0.49478E-04       0.79673E-02       0.79674E-02    359.6
                  3   -0.56123E-02       0.11526E-01       0.12820E-01    334.0
                  4    0.26779E-01      -0.10716E-01       0.28844E-01    111.8
                  5   -0.18335E-02       0.42217E-02       0.46027E-02    336.5
                  6   -0.79836E-04       0.11426E-01       0.11426E-01    359.5
                  7    0.69343E-02      -0.69820E-02       0.98403E-02    135.1
                  8    0.11470E-03       0.32919E-02       0.32939E-02      1.9
                  9   -0.56462E-02       0.12388E-02       0.57805E-02    282.3
                 10    0.32582E-02       0.44450E-02       0.55113E-02     36.2
```
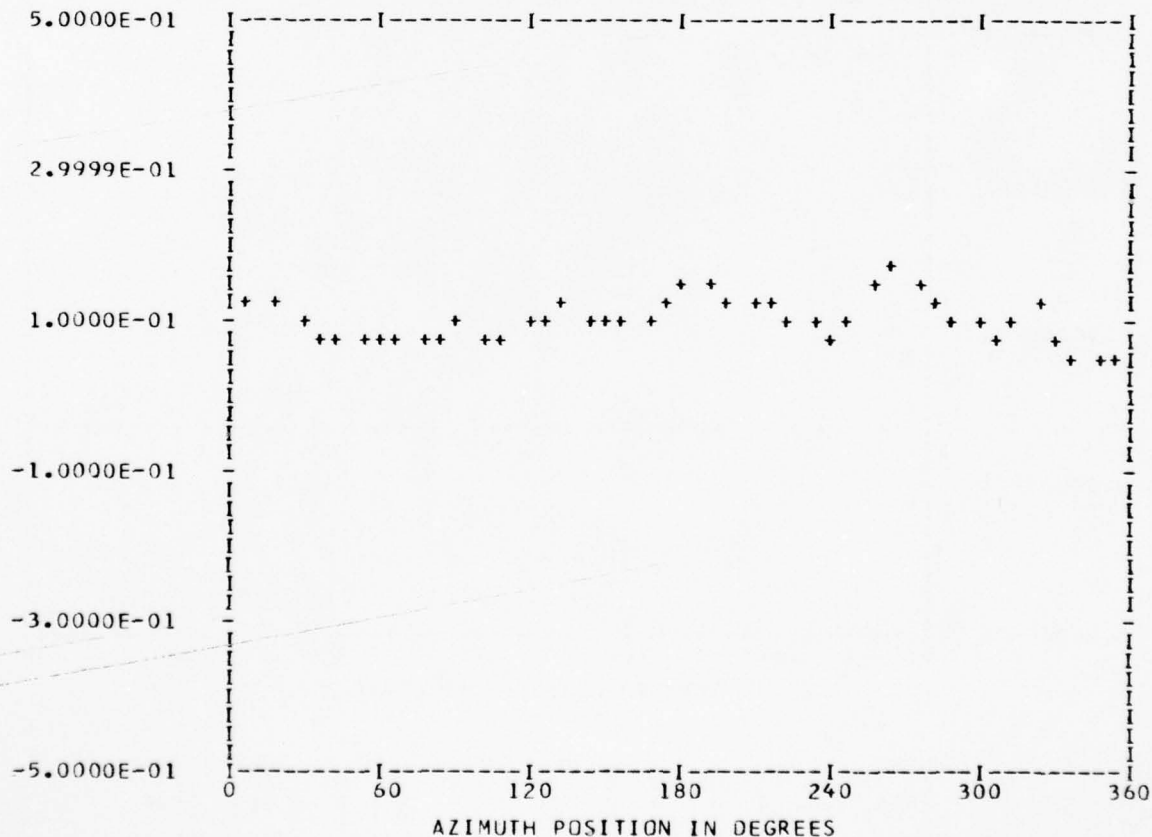
MAX= 0.60804E-03   MIN=-0.12735E 00   PEAK TO PEAK/2= 0.63982E-01

AZIMUTH POSITION IN DEGREES

191

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   13
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   60
BANDEDGE   0

   STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
-0.73894E-01   1   0.16651E-01   -0.14743E-01   0.22240E-01   131.5
                2   -0.11268E-01   -0.58514E-02   0.12697E-01   242.5
                3   0.33396E-02   0.13102E-01   0.13521E-01   14.2
                4   -0.19327E-01   -0.91945E-02   0.21403E-01   244.5
                5   0.71351E-02   0.32624E-02   0.78456E-02   65.4
                6   0.32108E-02   -0.45808E-02   0.55940E-02   144.9
                7   0.52909E-02   0.65826E-02   0.84453E-02   38.7
                8   -0.33598E-02   0.96896E-03   0.34967E-02   286.0
                9   0.62839E-02   0.18090E-03   0.62865E-02   88.3
               10   -0.77906E-02   0.34623E-02   0.85253E-02   293.9

MAX=-0.35392E-01 MIN=-0.15296E 00 PEAK TO PEAK/2= 0.58784E-01

AZIMUTH POSITION IN DEGREES

192

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   13
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   58
BANDEDGE   0

    STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
-0.14471E 00   1 -0.18563E-01   0.66472E-03   0.18575E-01   272.0
                  2   0.13484E-01   -0.10431E-02   0.13524E-01   94.4
                  3   0.53427E-02   -0.18055E-01   0.18829E-01   163.5
                  4   0.75194E-02   0.32735E-01   0.33587E-01   12.9
                  5   0.13460E-01   -0.82132E-02   0.15768E-01   121.3
                  6 -0.43447E-02   -0.48480E-02   0.65100E-02   221.8
                  7 -0.13465E-01   -0.48823E-03   0.13474E-01   267.9
                  8 -0.29596E-02   0.19755E-02   0.35584E-02   303.7
                  9   0.10199E-01   -0.58886E-02   0.11777E-01   119.9
                 10 -0.34070E-02   0.51467E-03   0.34456E-02   278.5

MAX=-0.63924E-01   MIN=-0.22319E 00   PEAK TO PEAK/2= 0.79636E-01

AZIMUTH POSITION IN DEGREES
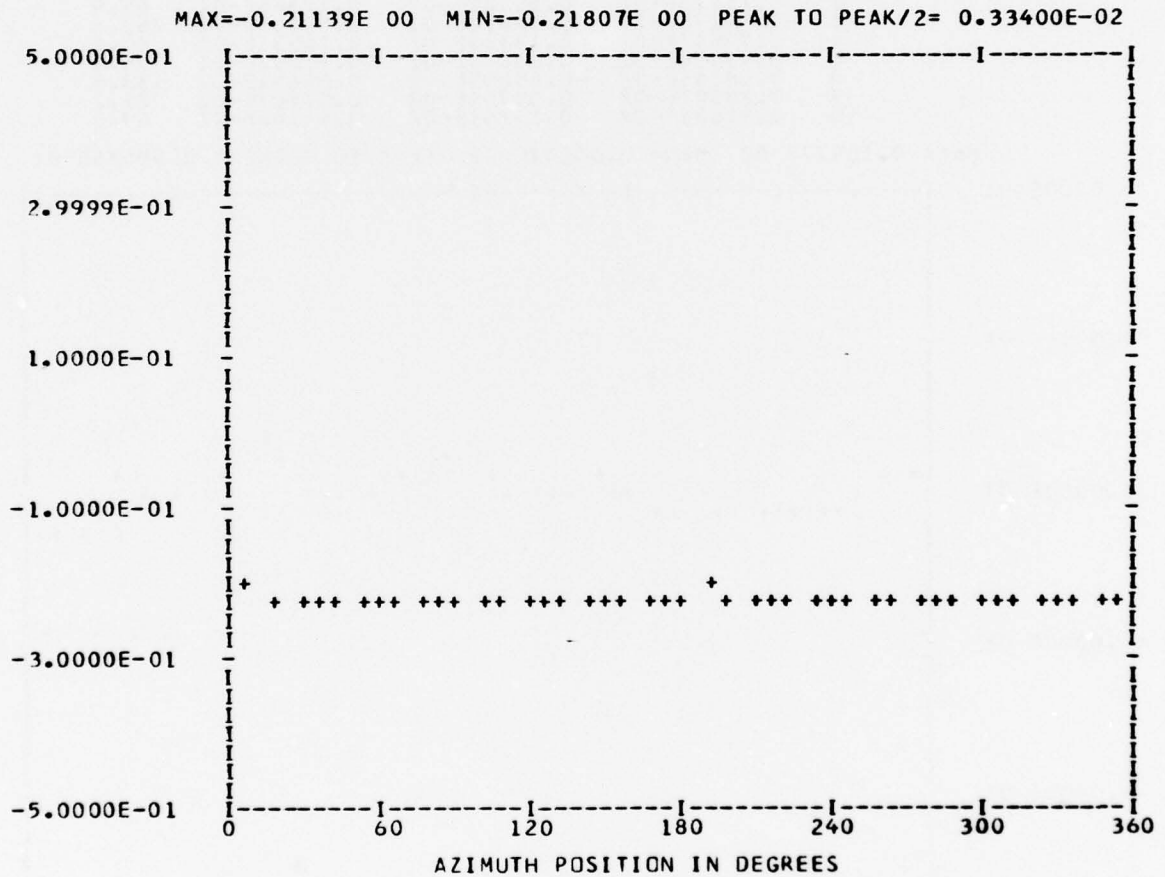
193

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
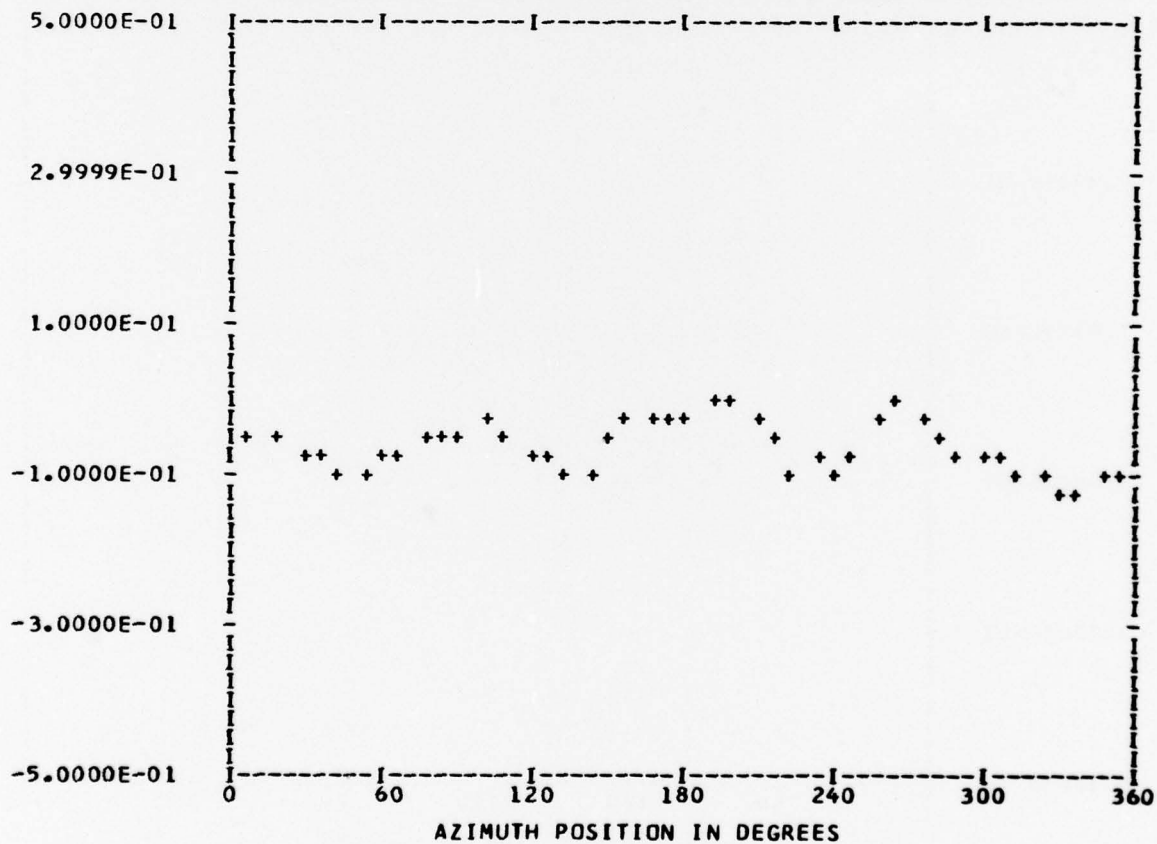
*** PS107.4   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   13
TP   4
CHAN   52

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.97010E-01	1	-0.23648E-01	0.29162E-01	0.37545E-01	320.9
	2	0.71949E-02	0.75088E-02	0.10399E-01	43.7
	3	0.14238E-01	0.18056E-02	0.14352E-01	82.7
	4	0.39312E-01	0.73952E-02	0.40001E-01	79.3
	5	0.45005E-02	0.78460E-03	0.45684E-02	80.1
	6	-0.37692E-02	0.70136E-02	0.79622E-02	331.7
	7	-0.98902E-02	0.35086E-02	0.10494E-01	289.5
	8	-0.42281E-02	0.53525E-02	0.68210E-02	321.6
	9	0.28689E-02	-0.36794E-02	0.46657E-02	142.0
	10	0.16613E-02	0.75912E-02	0.77708E-02	12.3

MAX=-0.29706E-01   MIN=-0.20942E 00   PEAK TO PEAK/2= 0.89859E-01

AZIMUTH POSITION IN DEGREES

194

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
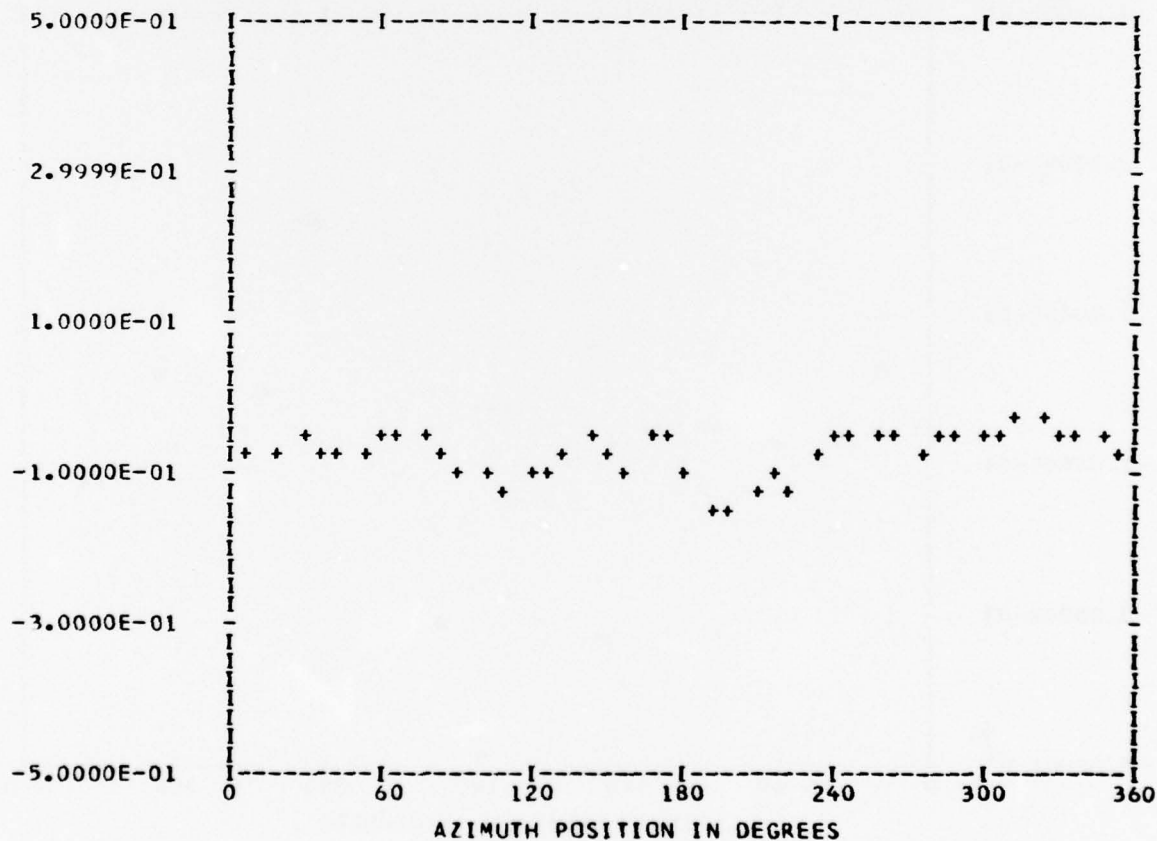
*** PS107.5   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   13
ENTERED   44   TP   4
OUT OF RANGE   0   CHAN   47
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.15220E 00	1	-0.85539E-02	-0.31535E-01	0.32675E-01	195.1
	2	-0.81194E-02	0.40651E-02	0.90802E-02	296.5
	3	-0.52114E-04	0.17429E-01	0.17429E-01	359.8
	4	0.16824E-01	0.73566E-02	0.18362E-01	66.3
	5	0.10600E-02	0.73668E-02	0.74426E-02	8.1
	6	-0.61385E-02	0.89619E-02	0.10862E-01	325.5
	7	0.17920E-02	-0.51645E-02	0.54666E-02	160.8
	8	0.20508E-02	0.94572E-03	0.22584E-02	65.2
	9	-0.47543E-02	0.49143E-02	0.68377E-02	315.9
	10	0.14535E-02	-0.72121E-03	0.16226E-02	116.3

MAX= 0.22315E 00   MIN= 0.96177E-01   PEAK TO PEAK/2= 0.63487E-01

AZIMUTH POSITION IN DEGREES

195

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
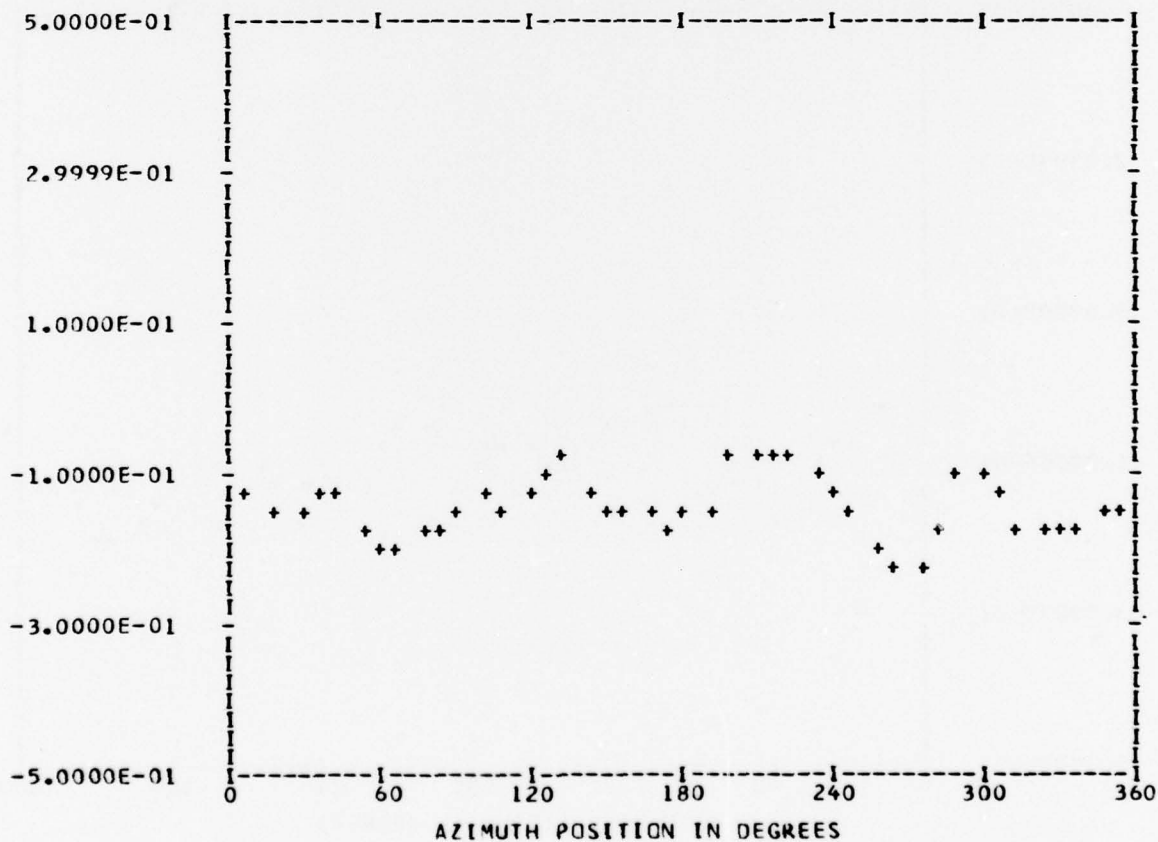
*** PS107.6 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   13
OUT OF RANGE   0   TP   4
BANDEDGE   44   HARMONIC ANALYSIS SKIPPED   CHAN   50

MAX= 0.35236E 00   MIN= 0.35236E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                          I
              I                                                          I
              I                                                          I
             [I+  +  +++  +++  +++  ++  +++  +++  +++  ++  +++  +++  ++  +++  +++  +++  ++I
              I                                                          I
 2.9999E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
 1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-1.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-3.0000E-01   -                                                          -
              I                                                          I
              I                                                          I
              I                                                          I
              I                                                          I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0         60        120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A      N   N   DDDD    EEEEE   DDDD    GGGG    EEEEE
B    B   A A    NN  N   D   D   E       D   D   G       E
BBBB    A   A   N N N   D   D   EEEE    D   D   G  GG   EEEE
B    B  AAAAA   N  NN   D   D   E       D   D   G   G   E
BBBB    A   A   N   N   DDDD    EEEEE   DDDD    GGGG    EEEEE
```

196

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
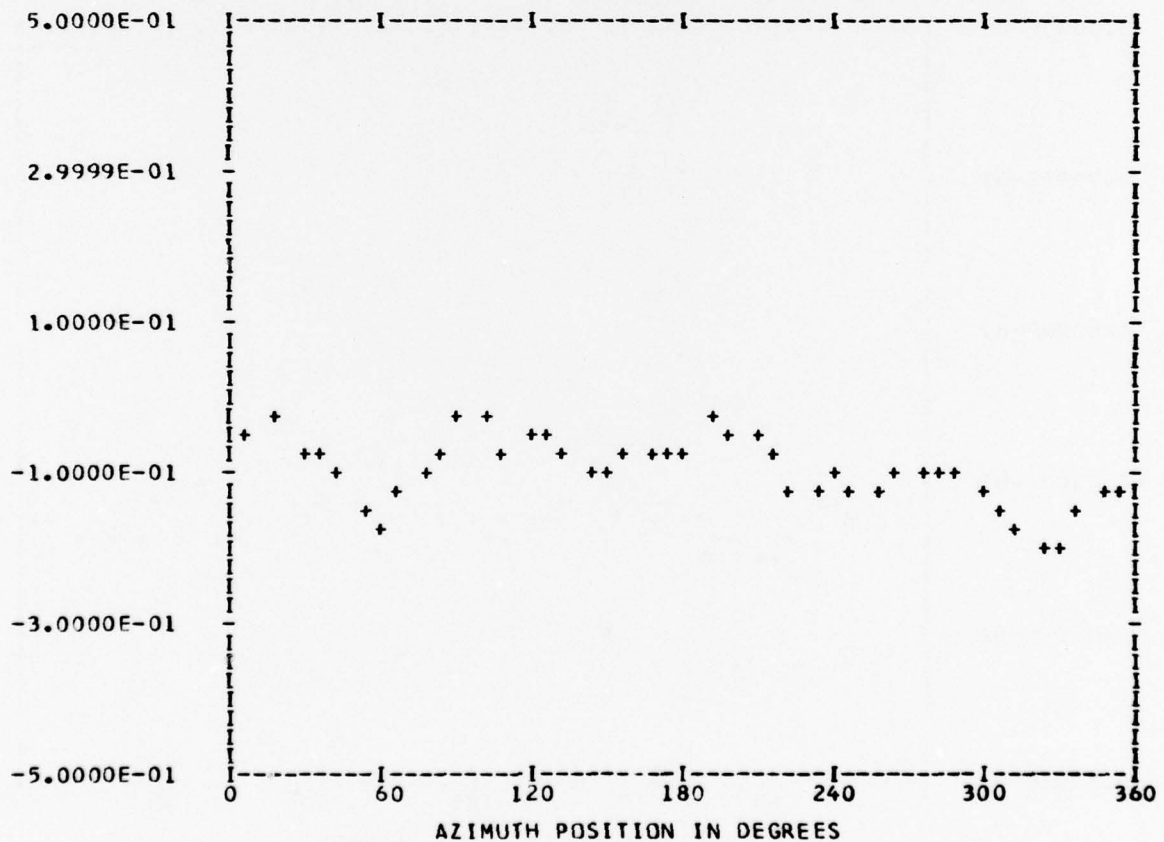
*** PS112.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44   RUN   13
OUT OF RANGE   0   TP   4
BANDEDGE   0   CHAN   61

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.90275E-01	1	0.88860E-02	0.68053E-02	0.11192E-01	52.5
	2	0.54833E-02	-0.19352E-01	0.20114E-01	164.1
	3	0.32318E-02	0.14612E-01	0.14965E-01	12.4
	4	-0.61533E-02	-0.53715E-02	0.81680E-02	228.8
	5	0.13450E-01	-0.24262E-02	0.13667E-01	100.2
	6	-0.91103E-02	-0.75811E-02	0.11852E-01	230.2
	7	0.29083E-02	-0.22418E-03	0.29169E-02	94.4
	8	0.80940E-02	-0.73972E-02	0.10965E-01	132.4
	9	-0.97683E-03	0.16388E-02	0.19078E-02	329.2
	10	0.97044E-02	0.85864E-02	0.12957E-01	48.4

MAX=-0.11129E-01   MIN=-0.16592E 00   PEAK TO PEAK/2= 0.77397E-01

AZIMUTH POSITION IN DEGREES

197

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                        *** PS112.2  WAVEFORM ***
                        ***       CYCLE   0      ***
*** DATA ANALYSIS ***                                              RUN    13
ENTERED              44                                            TP      4
OUT OF RANGE          0                                            CHAN   48
BANDEDGE             44            HARMONIC ANALYSIS SKIPPED
```
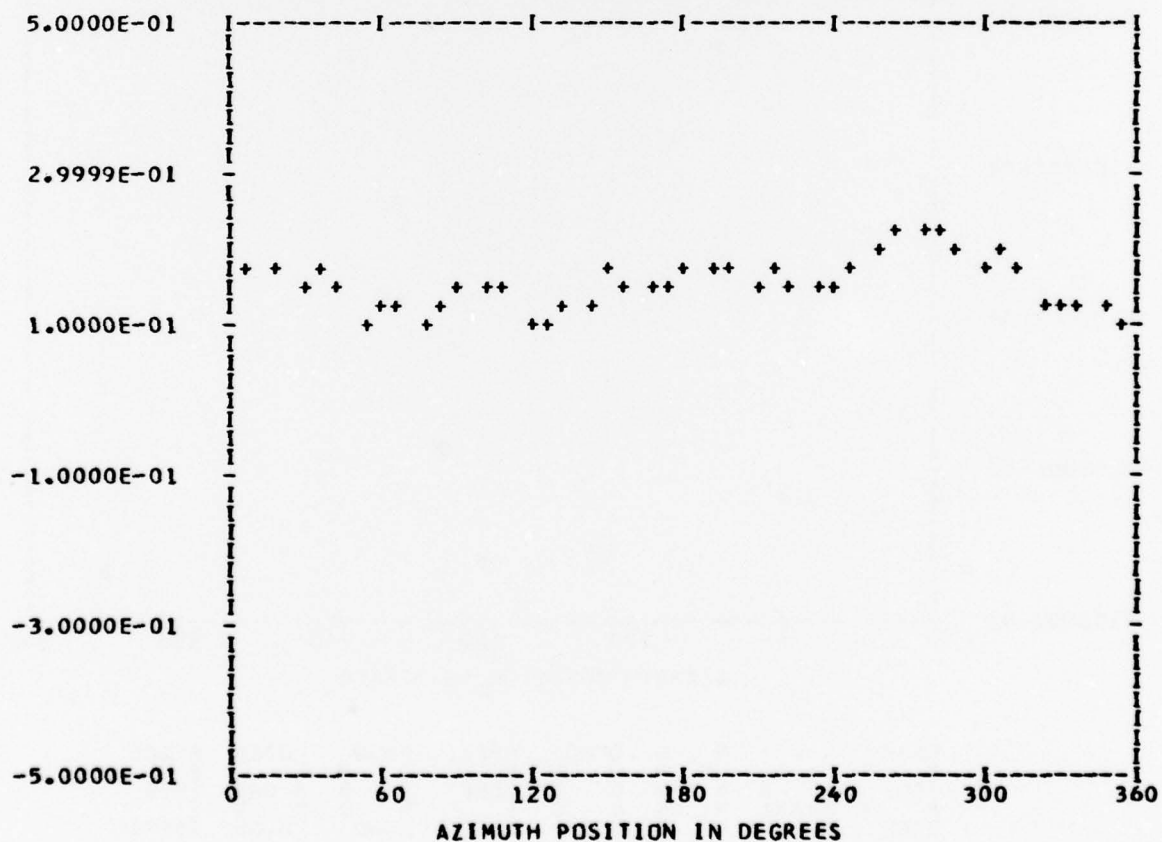
```
         MAX= 0.39895E 00  MIN= 0.39895E 00  PEAK TO PEAK/2= 0.00000E 00
  5.0000E-01   I---------I---------I---------I---------I---------I---------I
               I                                                           I
               I                                                           I
               I+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
               I                                                           I
  2.9999E-01   -                                                           -
               I                                                           I
               I                                                           I
               I                                                           I
  1.0000E-01   -                                                           -
               I                                                           I
               I                                                           I
               I                                                           I
               I                                                           I
 -1.0000E-01   I                                                           I
               I                                                           I
               I                                                           I
               I                                                           I
 -3.0000E-01   -                                                           -
               I                                                           I
               I                                                           I
               I                                                           I
 -5.0000E-01   I---------I---------I---------I---------I---------I---------I
               0        60       120       180       240       300       360
                           AZIMUTH POSITION IN DEGREES
```

```
    BBBB      A      N   N   DDDD    EEEEE   DDDD      GGGG    EEEEE
    B   B    A A     NN  N   D   D   E       D   D    G        E
    BBBB    A   A    N N N   D   D   EEEE    D   D    G  GGG   EEEE
    B   B   AAAAA    N  NN   D   D   E       D   D    G    G   E
    BBBB    A   A    N   N   DDDD    EEEEE   DDDD      GGGG    EEEEE
```

198
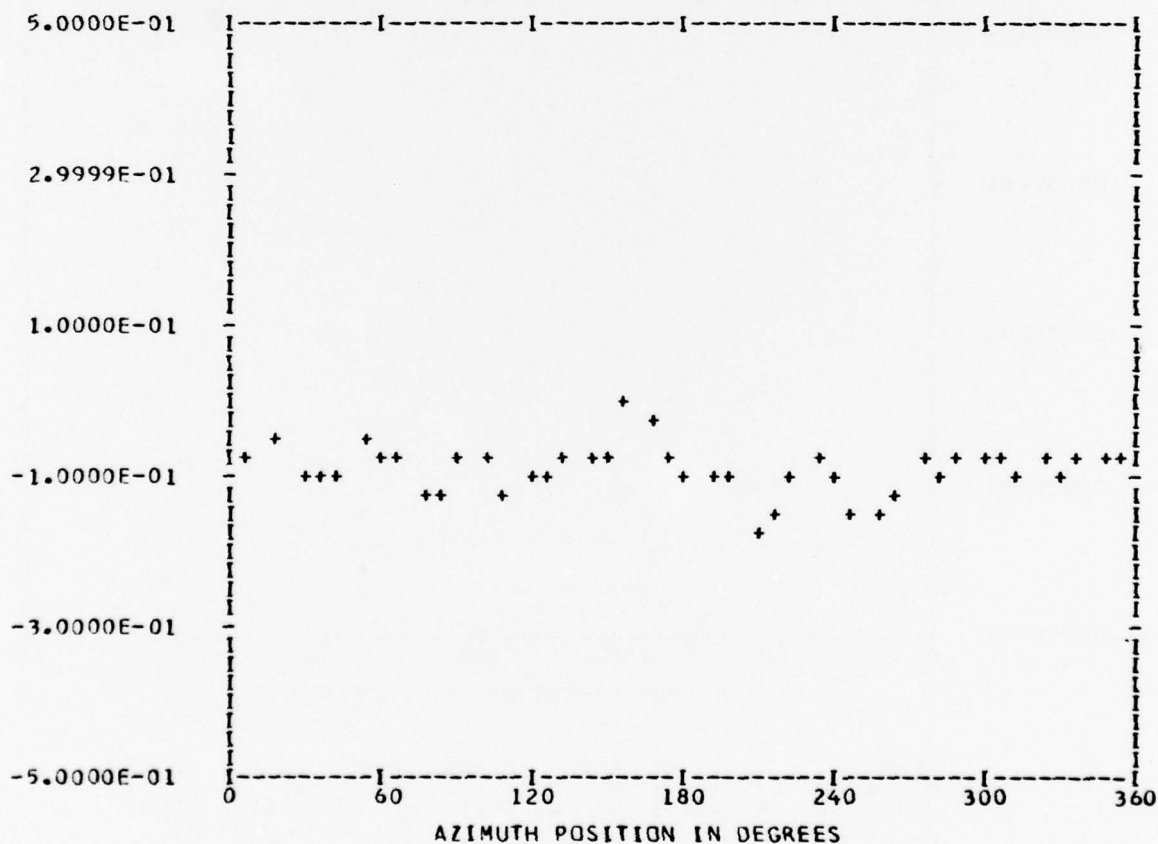
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***						RUN	13
ENTERED	44					TP	4
OUT OF RANGE	0					CHAN	57
BANDEDGE	0						

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.28628E 00	1	-0.85368E-02	-0.16255E-01	0.18360E-01	207.7
	2	-0.56464E-02	-0.29285E-02	0.63607E-02	242.5
	3	0.88238E-03	-0.84183E-02	0.84644E-02	174.0
	4	-0.51863E-02	0.55594E-01	0.55835E-01	354.6
	5	0.10907E-01	0.13947E-01	0.17706E-01	38.0
	6	-0.26982E-02	-0.54025E-02	0.60388E-02	206.5
	7	0.24021E-02	0.39071E-02	0.45864E-02	31.5
	8	0.91129E-02	-0.30204E-02	0.96004E-02	108.3
	9	-0.38939E-02	-0.36697E-02	0.53507E-02	226.6
	10	0.15411E-02	-0.13612E-02	0.20562E-02	131.4

MAX=-0.18816E 00   MIN=-0.37268E 00   PEAK TC PEAK/2= 0.92261E-01
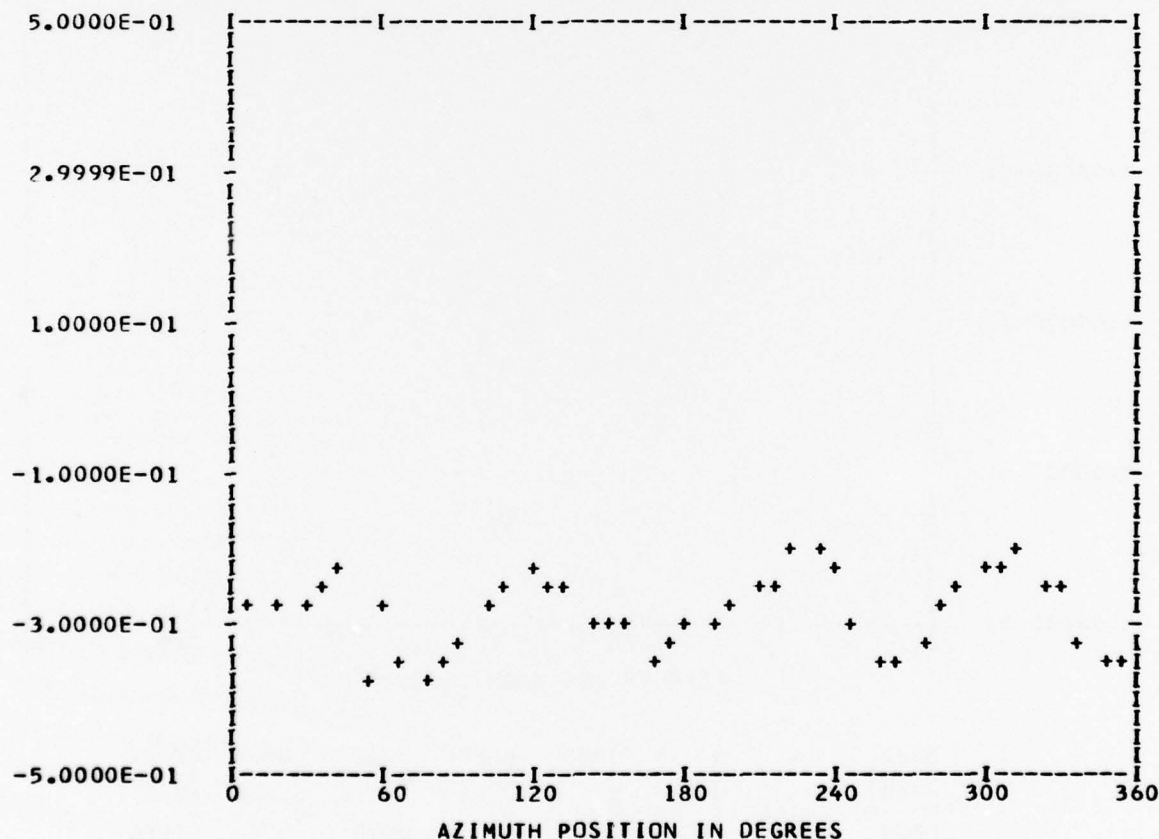
AZIMUTH POSITION IN DEGREES
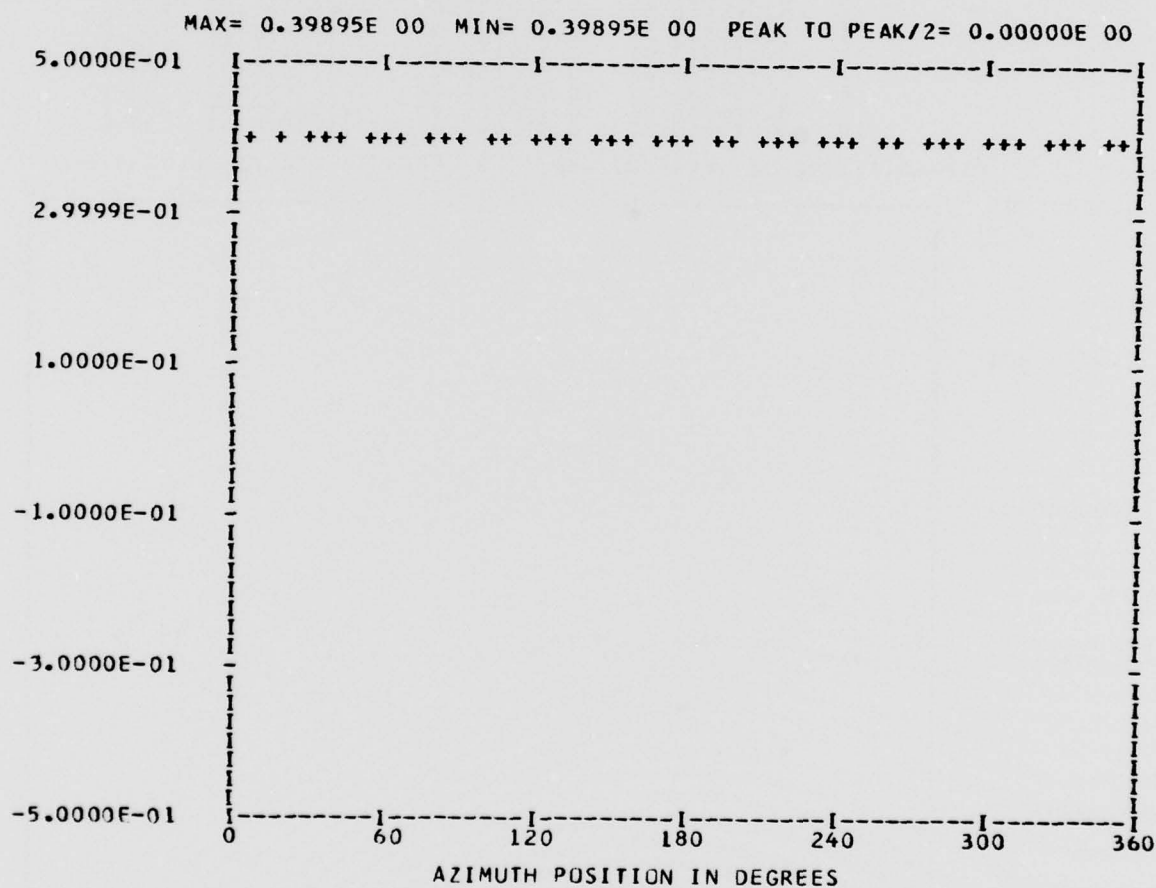
199

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   36

RUN   13
TP   4
CHAN   53

HARMONIC ANALYSIS SKIPPED
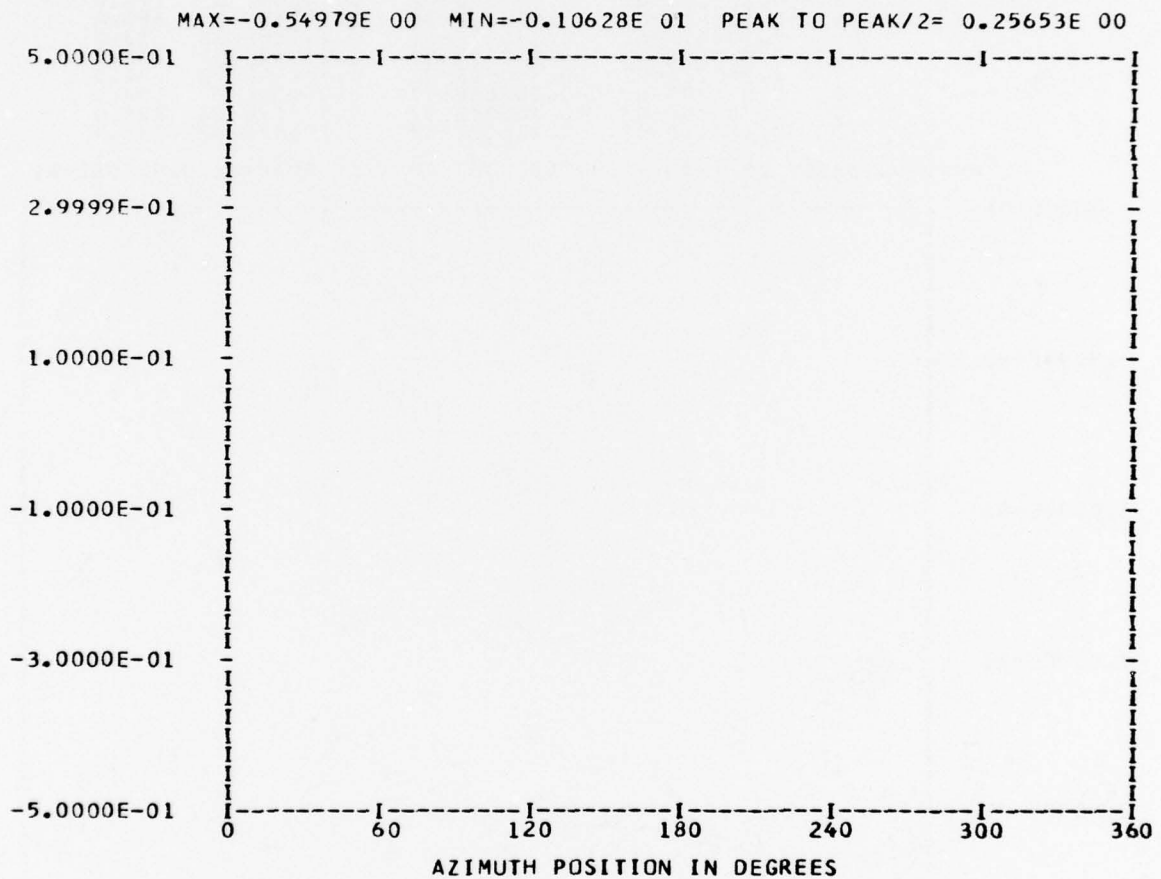
MAX=-0.54979E 00   MIN=-0.10628E 01   PEAK TO PEAK/2= 0.25653E 00

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           II
             I                                                           II
             I                                                           II
             I                                                           II
2.9999E-01   -                                                           I
             I                                                           II
             I                                                           II
             I                                                           II
1.0000E-01   -                                                           -
             I                                                           II
             I                                                           II
             I                                                           II
-1.0000E-01  -                                                           II
             I                                                           II
             I                                                           II
             I                                                           II
-3.0000E-01  -                                                           I
             I                                                           II
             I                                                           II
             I                                                           II
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A     N   N   DDDD   EEEEE   DDDD      GGGG   EEEEE
B   B   A A    NN  N   D   D  E       D   D    G       E
BBBB    A A    N N N   D   D  EEEE    D   D    G  GGG  EEEE
B   B  AAAAA   N  NN   D   D  E       D   D    G   G   E
BBBB    A   A  N   N   DDDD   EEEEE   DDDD      GGGG   EEEEE
```

200

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   54

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.13993E-01	1	0.43821E-03	-0.37850E-04	0.43984E-03	94.9
	2	0.89679E-03	-0.12960E-02	0.15761E-02	145.3
	3	0.12294E-02	0.14065E-02	0.18681E-02	41.1
	4	0.36845E-02	-0.58998E-02	0.69558E-02	148.0
	5	0.16306E-02	0.59319E-03	0.17351E-02	70.0
	6	0.32380E-03	-0.13025E-02	0.13421E-02	166.0
	7	0.10454E-02	0.69613E-03	0.12559E-02	56.3
	8	0.13858E-02	-0.17302E-02	0.22168E-02	141.3
	9	0.35183E-03	0.65522E-03	0.74371E-03	28.2
	10	0.20140E-03	0.34598E-03	0.40033E-03	30.2

MAX= 0.27605E-01   MIN= 0.40052E-02   PEAK TO PEAK/2= 0.11799E-01

AZIMUTH POSITION IN DEGREES

201

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
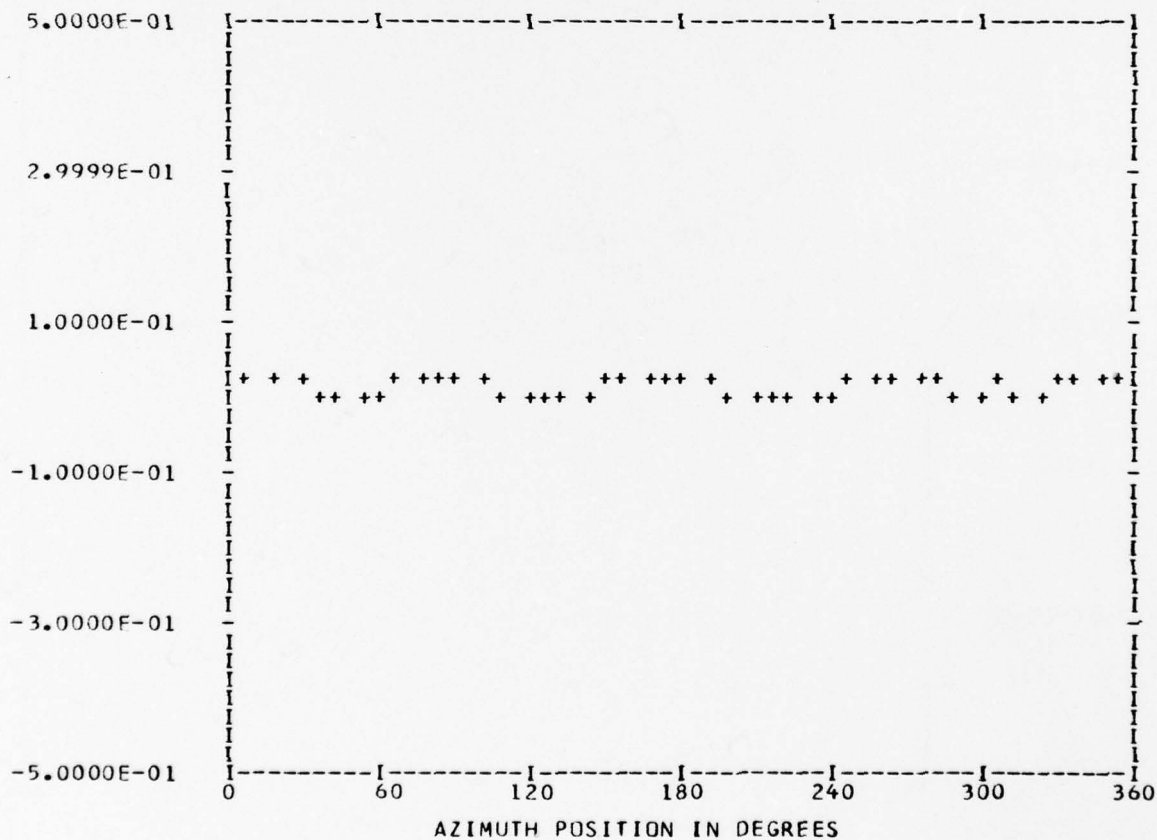
*** PSO81.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   45
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   59

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.19165E 00	1	-0.56153E-02	-0.48938E-02	0.74485E-02	228.9
	2	0.52514E-02	-0.10510E-01	0.11749E-01	153.4
	3	0.33695E-02	-0.40342E-02	0.52563E-02	140.1
	4	0.29770E-01	-0.27511E-01	0.40536E-01	132.7
	5	0.29941E-03	-0.10688E-01	0.10692E-01	178.3
	6	-0.58694E-03	0.32391E-03	0.67039E-03	298.8
	7	0.15170E-02	0.13062E-01	0.13150E-01	6.6
	8	0.32995E-02	-0.20754E-01	0.21015E-01	170.9
	9	-0.99244E-03	0.30327E-02	0.31910E-02	341.8
	10	0.37532E-02	0.22389E-02	0.43703E-02	59.1

MAX= 0.26140E 00   MIN= 0.12479E 00   PEAK TO PEAK/2= 0.68304E-01

AZIMUTH POSITION IN DEGREES

202

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS081.3 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***   RUN   14
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   49
BANDEDGE   0

    STEADY   HARM   COS COEFF   SIN COEFF   RES   PHASE
  0.47308E-01   1   -0.14081E-03   -0.84657E-03   0.85820E-03   189.4
                 2   -0.57854E-02   -0.99646E-03   0.58706E-02   260.2
                 3   -0.45523E-02   0.42126E-03   0.45717E-02   275.2
                 4   0.11205E-01   0.19580E-01   0.22559E-01   29.7
                 5   -0.18077E-04   0.60248E-02   0.60248E-02   359.8
                 6   0.31460E-02   -0.94693E-04   0.31474E-02   91.7
                 7   -0.44522E-02   -0.56113E-03   0.44874E-02   262.8
                 8   0.38906E-02   0.32424E-02   0.50646E-02   50.1
                 9   0.75491E-04   0.43930E-02   0.43937E-02   0.9
                10   0.88890E-04   -0.43755E-02   0.43764E-02   178.8

MAX= 0.92547E-01   MIN= 0.87772E-02   PEAK TO PEAK/2= 0.41885E-01
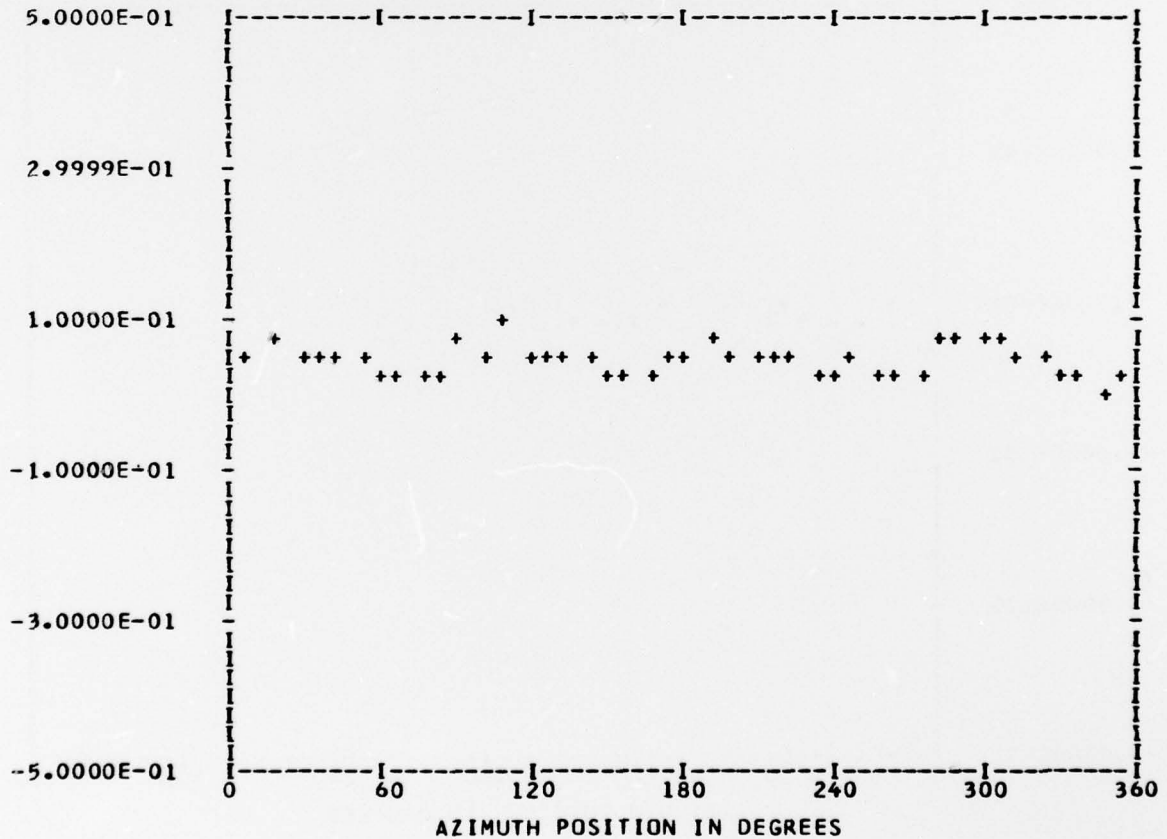
AZIMUTH POSITION IN DEGREES

203

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
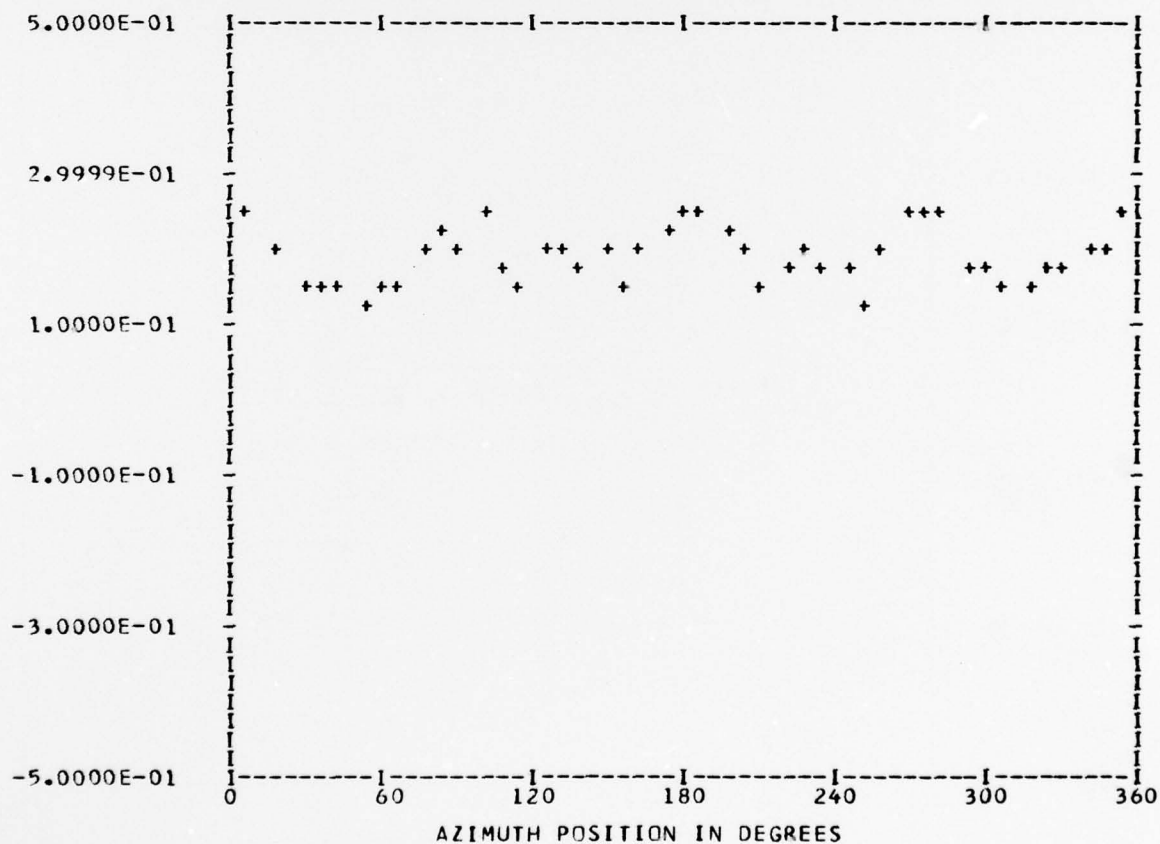
*** PS089.1 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   45

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.90549E-01	1	-0.31837E-02	0.63905E-02	0.71396E-02	333.5
	2	0.38731E-02	-0.49792E-02	0.63082E-02	142.1
	3	0.40519E-03	0.60664E-02	0.60799E-02	3.8
	4	0.33343E-01	-0.48756E-03	0.33346E-01	90.8
	5	0.36823E-02	0.55923E-03	0.37245E-02	81.3
	6	0.43722E-02	-0.52058E-02	0.67983E-02	139.9
	7	0.33567E-02	0.91659E-03	0.34796E-02	74.7
	8	0.24599E-01	-0.97995E-03	0.24618E-01	92.2
	9	0.21318E-02	-0.13223E-02	0.25086E-02	121.8
	10	-0.16415E-02	-0.37928E-02	0.41328E-02	203.4

MAX= 0.17319E 00   MIN= 0.50204E-01   PEAK TO PEAK/2= 0.61494E-01

AZIMUTH POSITION IN DEGREES

204

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                       *** PS099.1   WAVEFORM ***
                       ***      CYCLE    0      ***
*** DATA ANALYSIS ***                                            RUN    14
ENTERED              44                                          TP      3
OUT OF RANGE          0                                          CHAN   56
BANDEDGE              0

      STEADY      HARM    COS COEFF       SIN COEFF         RES        PHASE
   0.50694E-01     1    -0.66489E-02     0.52588E-02     0.84772E-02   308.3
                   2     0.17367E-02     0.33189E-02     0.37458E-02    27.6
                   3     0.45781E-02     0.74765E-02     0.87668E-02    31.4
                   4     0.13146E-01    -0.28896E-02     0.13460E-01   102.3
                   5     0.22371E-02     0.96726E-04     0.22392E-02    87.5
                   6     0.60840E-02    -0.69638E-03     0.61238E-02    96.5
                   7     0.24621E-02     0.29129E-02     0.38140E-02    40.2
                   8     0.13756E-02    -0.53628E-02     0.55364E-02   165.6
                   9    -0.19511E-02     0.36438E-02     0.41334E-02   331.8
                  10    -0.17755E-02     0.25612E-02     0.31164E-02   325.2
```

MAX= 0.80575E-01   MIN= 0.68430E-02   PEAK TO PEAK/2= 0.36866E-01

AZIMUTH POSITION IN DEGREES

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
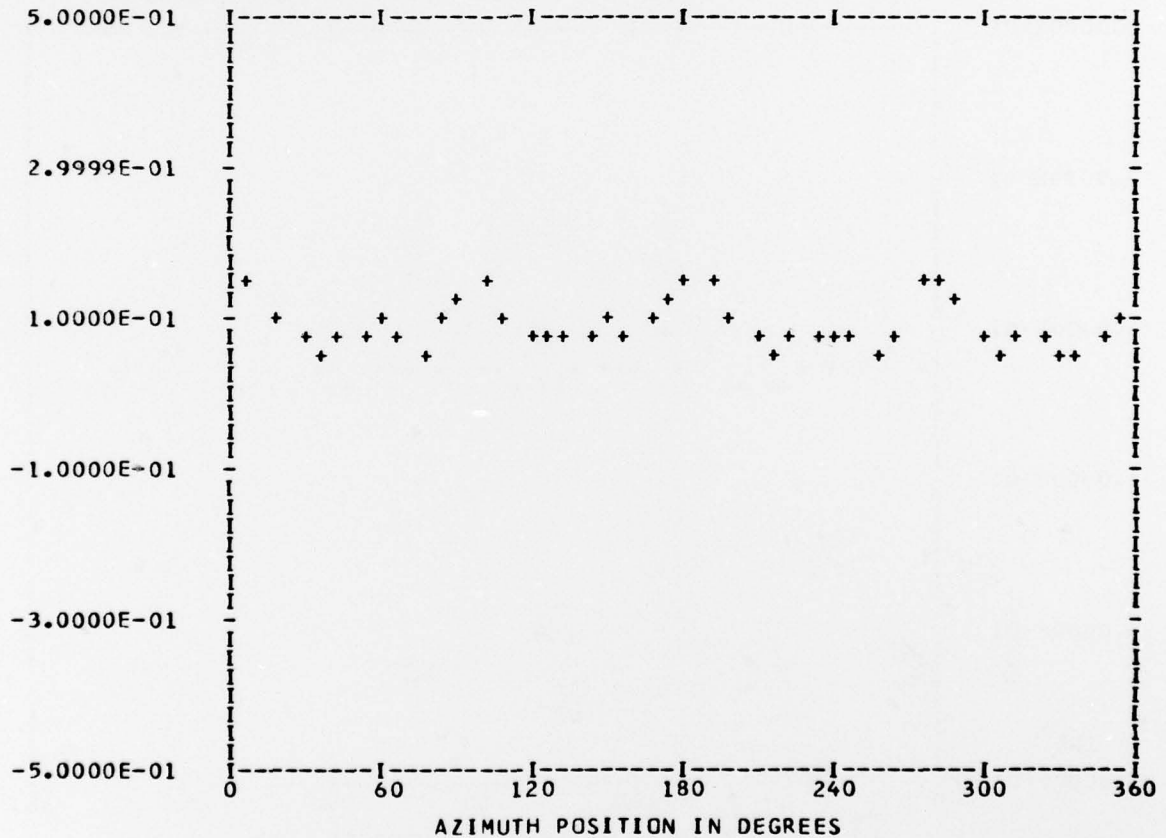
*** PSO99.2 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   46

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.17621E 00	1	-0.12094E-01	0.51705E-02	0.13153E-01	293.1
	2	0.66612E-02	-0.13611E-01	0.15153E-01	153.9
	3	0.62861E-02	0.42695E-03	0.63005E-02	86.1
	4	0.37204E-01	0.17770E-02	0.37246E-01	87.2
	5	-0.92888E-02	-0.12164E-01	0.15305E-01	217.3
	6	-0.86139E-02	-0.81292E-02	0.11844E-01	226.6
	7	0.62988E-02	-0.29846E-02	0.69701E-02	115.3
	8	0.13961E-01	-0.63741E-02	0.15347E-01	114.5
	9	-0.57696E-03	-0.54156E-02	0.54462E-02	186.0
	10	0.37843E-03	-0.17544E-02	0.17948E-02	167.8

MAX= 0.26035E 00   MIN= 0.11169E 00   PEAK TO PEAK/2= 0.74329E-01

AZIMUTH POSITION IN DEGREES

206

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS099.3 WAVEFORM ***
***   CYCLE   O   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   14
TP   3
CHAN   51

HARMONIC ANALYSIS SKIPPED

MAX=-0.21807E 00   MIN=-0.21807E 00   PEAK TO PEAK/2= 0.00000E 00

```
 5.0000E-01   I---------I---------I---------I---------I---------I---------I
              I                                                           I
              I                                                           I
              I                                                           I
 2.9999E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
 1.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
-1.0000E-01   -                                                           -
              I                                                           I
              I + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++ I
              I                                                           I
-3.0000E-01   -                                                           -
              I                                                           I
              I                                                           I
              I                                                           I
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A    N   N  DDDD    EEEEE  DDDD     GGGG   EEEEE
B   B    A A   NN  N  D   D   E      D   D   G       E
BBBB     A A   N N N  D   D   EEEE   D   D   G  GGG  EEEE
B   B   AAAAA  N  NN  D   D   E      D   D   G   G   E
BBBB     A  A  N   N  DDDD    EEEEE  DDDD     GGGG   EEEEE
```

207
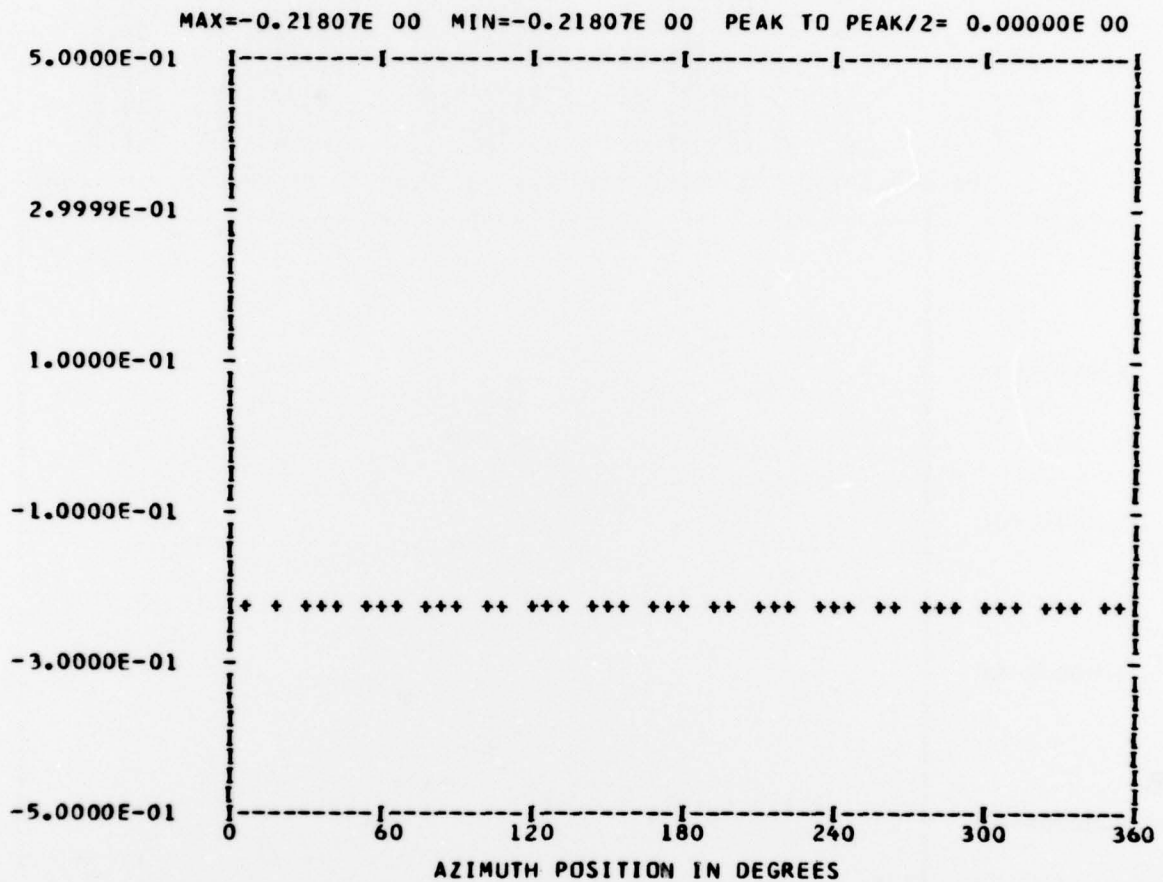
UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

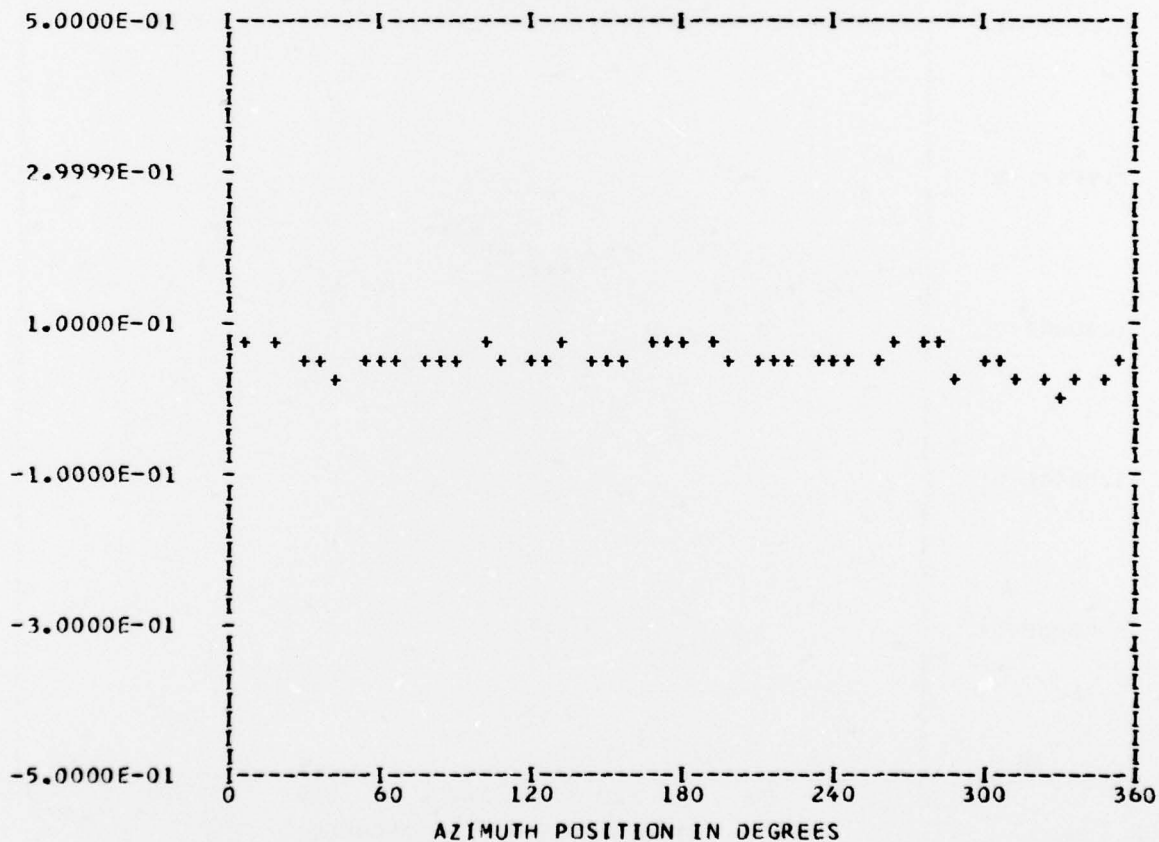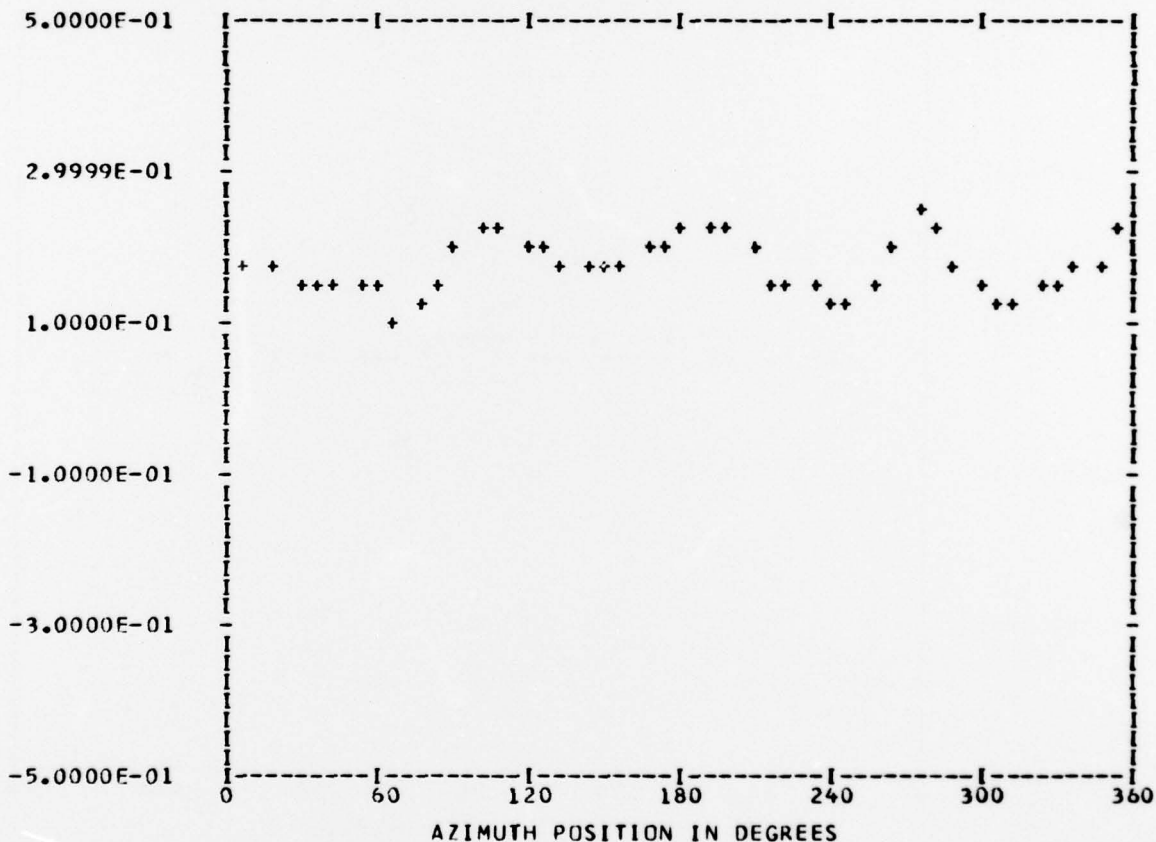*** PS107.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   55

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.29814E 00	1	-0.45767E-01	0.33759E-01	0.56871E-01	306.4
	2	-0.35516E-02	-0.42896E-03	0.35774E-02	263.1
	3	-0.24407E-01	0.20382E-01	0.31798E-01	309.8
	4	0.67911E-02	0.49578E-02	0.84083E-02	53.8
	5	-0.10483E-01	-0.52175E-02	0.11710E-01	243.5
	6	-0.73495E-02	-0.40601E-02	0.83964E-02	241.0
	7	-0.20895E-02	0.82852E-02	0.85446E-02	345.8
	8	-0.28909E-02	-0.49502E-02	0.57325E-02	210.2
	9	0.42553E-02	-0.94422E-03	0.43588E-02	102.5
	10	-0.27309E-02	0.31101E-02	0.41389E-02	318.7

MAX=-0.19750E 00   MIN=-0.39362E 00   PEAK TC PEAK/2= 0.98061E-01

AZIMUTH POSITION IN DEGREES

208

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.2   WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***				RUN	14
ENTERED	45			TP	3
OUT OF RANGE	0			CHAN	60
BANDEDGE	0				

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.14084E 00	1	0.19101E-01	-0.25752E-01	0.32063E-01	143.4
	2	-0.13078E-01	0.53898E-02	0.14145E-01	292.3
	3	-0.25185E-02	-0.47676E-01	0.47743E-01	183.0
	4	0.77833E-02	-0.15690E-01	0.17514E-01	153.6
	5	0.26986E-01	-0.39650E-02	0.27276E-01	98.3
	6	0.11374E-01	-0.25165E-02	0.11649E-01	102.4
	7	-0.11975E-01	-0.18093E-01	0.21697E-01	213.4
	8	0.24566E-02	0.27762E-02	0.37071E-02	41.5
	9	0.24751E-02	0.60346E-02	0.65225E-02	22.3
	10	0.10839E-02	0.41069E-02	0.42475E-02	14.7

MAX= 0.22876E 00   MIN= 0.40206E-01   PEAK TO PEAK/2= 0.94278E-01

AZIMUTH POSITION IN DEGREES

209

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.3 WAVEFORM ***
***   CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   0

RUN   14
TP   3
CHAN   58

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.14543E 00	1	-0.11074E-01	-0.21684E-01	0.24348E-01	207.0
	2	-0.36222E-02	0.18056E-01	0.18416E-01	348.6
	3	0.21713E-02	-0.22042E-01	0.22149E-01	174.3
	4	0.22011E-01	0.92401E-02	0.23872E-01	67.2
	5	0.19902E-01	-0.13065E-01	0.23808E-01	123.2
	6	-0.59852E-02	0.15762E-02	0.61893E-02	284.7
	7	0.48579E-02	-0.80579E-02	0.94090E-02	148.9
	8	-0.14624E-01	0.55669E-02	0.15647E-01	290.8
	9	0.29537E-03	0.41848E-02	0.41952E-02	4.0
	10	-0.31002E-02	-0.16328E-02	0.35039E-02	242.2

MAX=-0.41897E-01 MIN=-0.21634E 00   PEAK TO PEAK/2= 0.87222E-01

AZIMUTH POSITION IN DEGREES

210

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
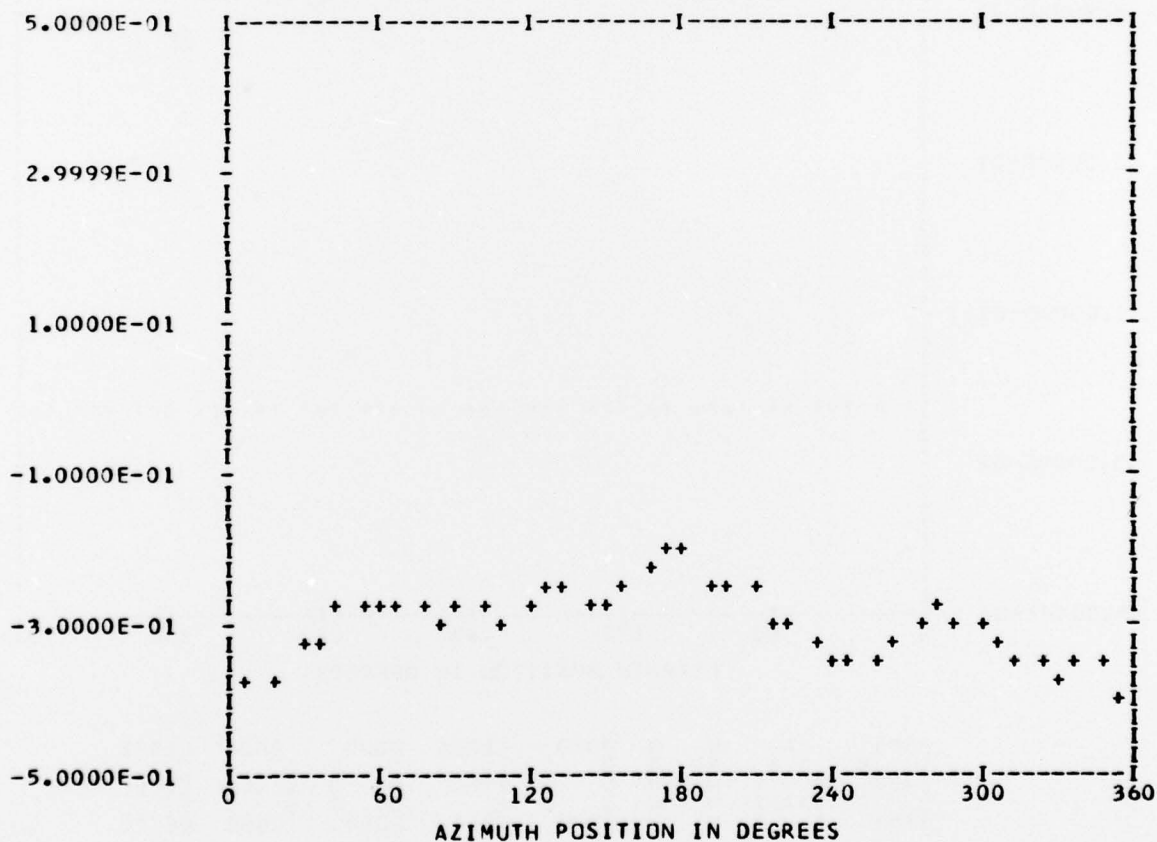
*** PS107.4 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   0
BANDEDGE   44

RUN   14
TP   3
CHAN   52

HARMONIC ANALYSIS SKIPPED
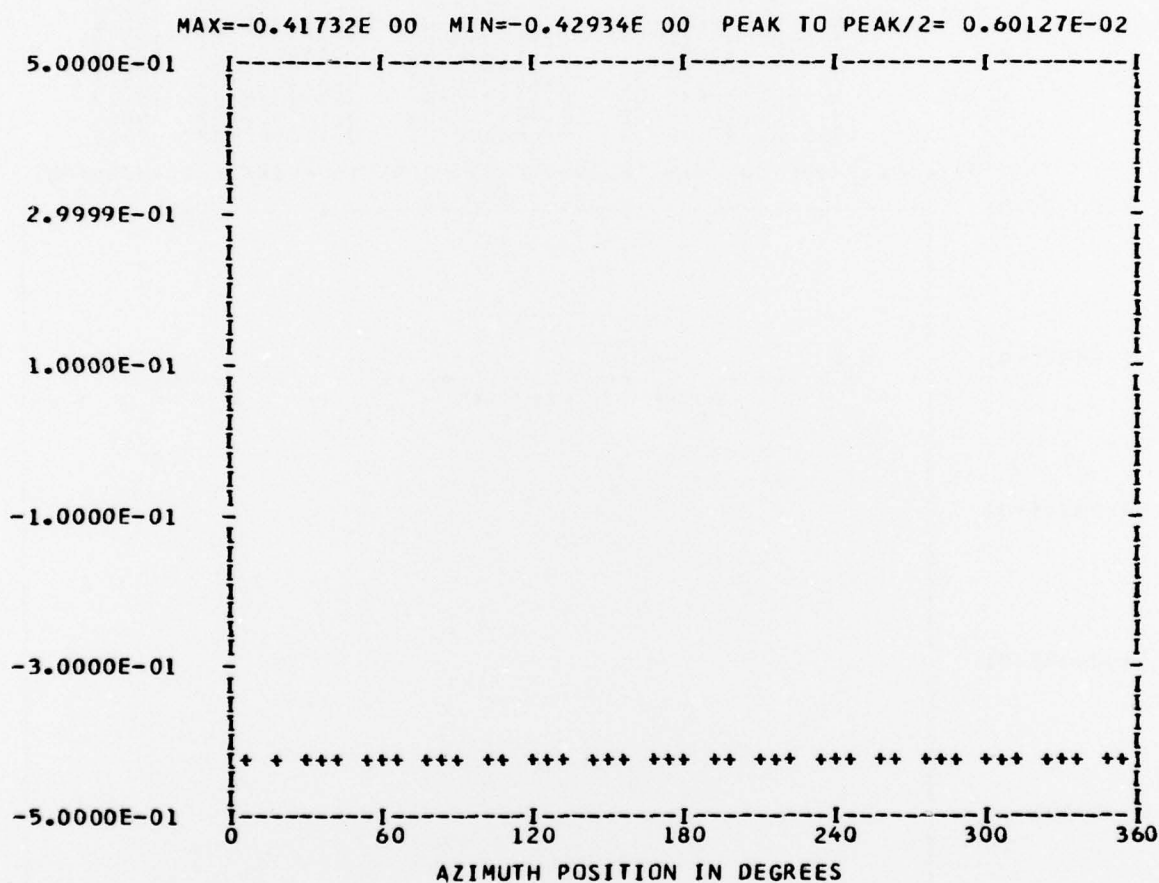
MAX=-0.41732E 00   MIN=-0.42934E 00   PEAK TO PEAK/2= 0.60127E-02

```
5.0000E-01   I---------I---------I---------I---------I---------I---------I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
2.9999E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
1.0000E-01   -                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-1.0000E-01  [                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
             I                                                           I
-3.0000E-01  -                                                           I
             I                                                           I
             I                                                           I
             [+ + +++ +++ +++ ++ +++ +++ +++ ++ +++ +++ ++ +++ +++ +++ ++I
             I                                                           I
-5.0000E-01  I---------I---------I---------I---------I---------I---------I
             0        60       120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A      N   N   DDDD    EEEEE   DDDD      GGGG   EEEEE
B   B    A A    NN  N   D   D   E       D   D    G       E
BBBB    A   A   N N N   D   D   EEEE    D   D    G GGG   EEEE
B   B   AAAAA   N  NN   D   D   E       D   D    G   G   E
BBBB    A   A   N   N   DDDD    EEEEE   DDDD      GGGG   EEEEE
```

211

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

```
                       *** PS107.5  WAVEFORM ***
                       ***     CYCLE   0      ***
*** DATA ANALYSIS ***                                        RUN    14
ENTERED          44                                          TP      3
OUT OF RANGE      0                                          CHAN   47
BANDEDGE          0

     STEADY     HARM    COS COEFF        SIN COEFF          RES        PHASE
   0.25884E 00    1    0.48486E-02     -0.44308E-03     0.48688E-02     95.2
                  2    0.82132E-03      0.70497E-02     0.70974E-02      6.6
                  3   -0.93939E-03      0.92772E-02     0.93246E-02    354.2
                  4    0.53923E-02      0.60623E-02     0.81135E-02     41.6
                  5   -0.44951E-02     -0.10995E-01     0.11878E-01    202.2
                  6    0.23800E-02     -0.13407E-02     0.27317E-02     60.6
                  7   -0.19664E-02     -0.18650E-02     0.27102E-02    226.5
                  8   -0.82053E-02      0.14937E-02     0.83402E-02    280.3
                  9    0.11687E-02      0.95928E-03     0.15120E-02     50.6
                 10    0.70735E-02     -0.68386E-03     0.71065E-02     95.5

       MAX= 0.29243E 00   MIN= 0.19695E 00   PEAK TO PEAK/2= 0.47739E-01
```
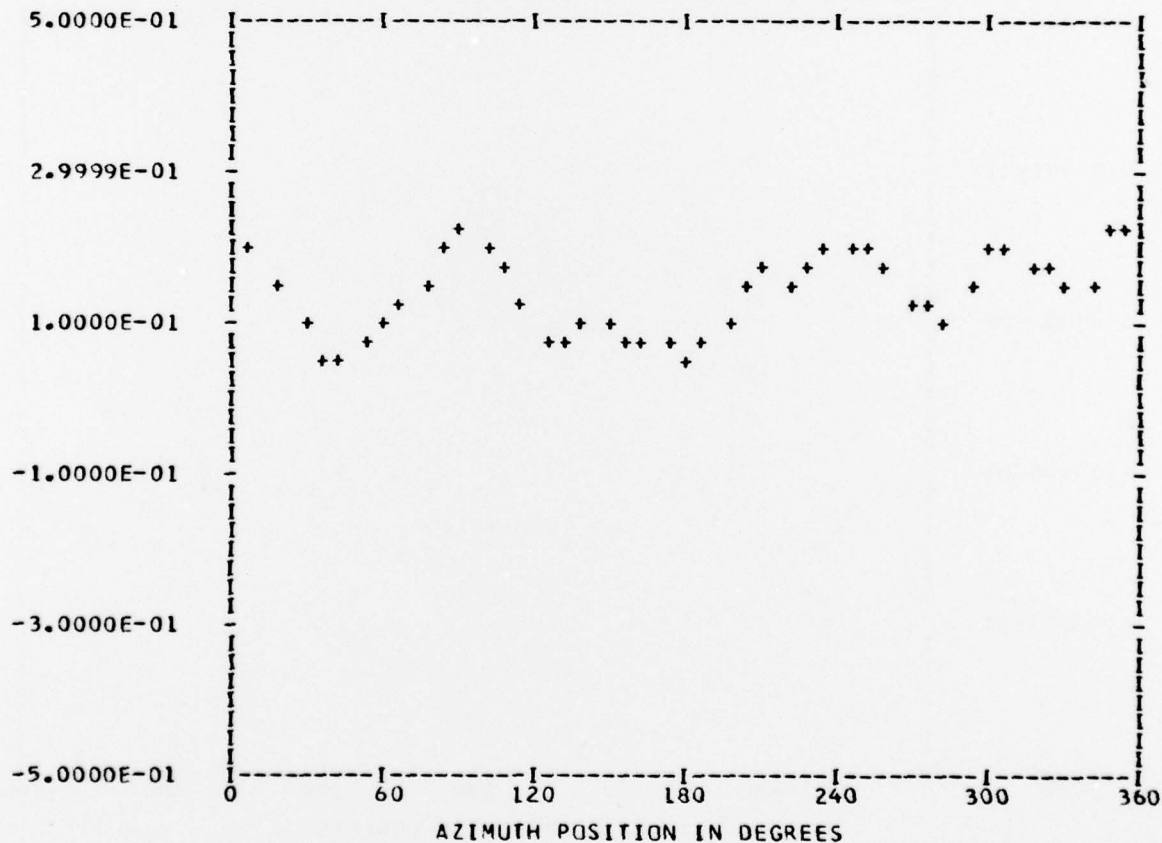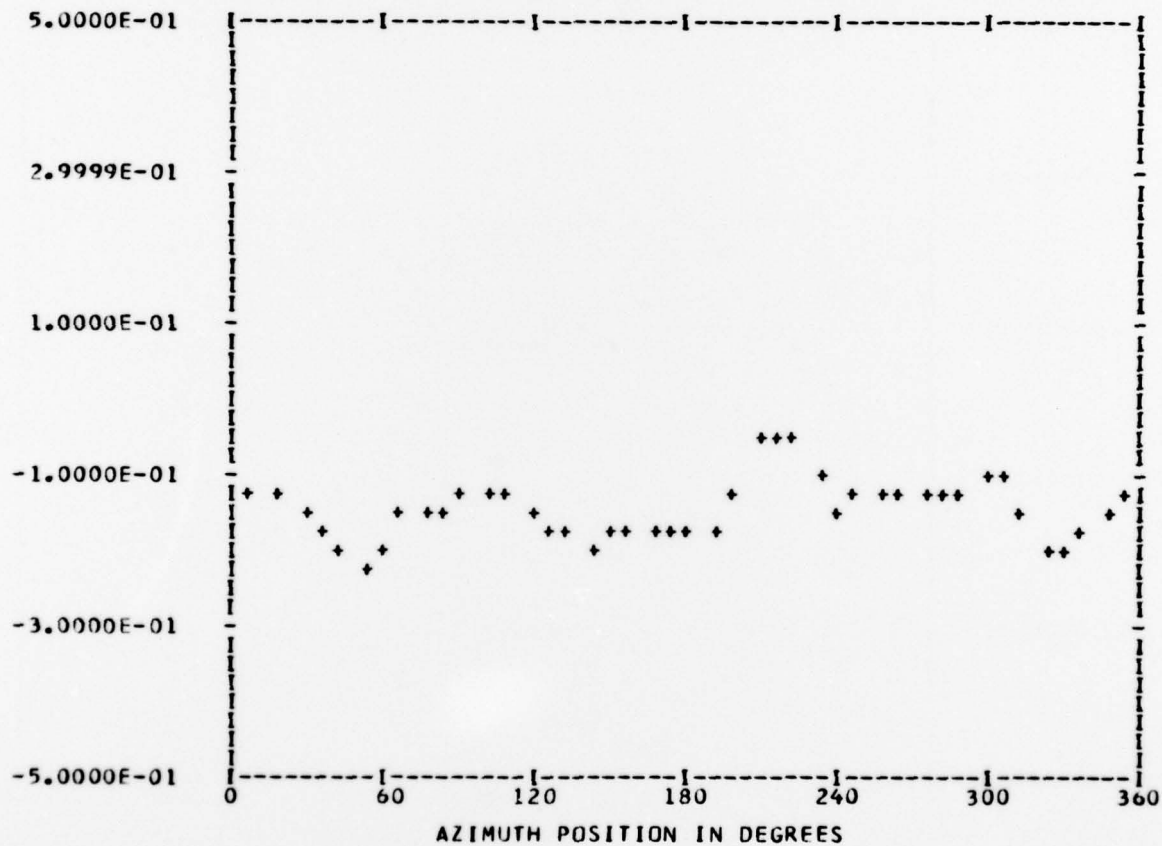

AZIMUTH POSITION IN DEGREES

212

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS107.6 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   14
ENTERED   44   TP   3
OUT OF RANGE   44   CHAN 50
BANDEDGE   44   HARMONIC ANALYSIS SKIPPED

MAX= 0.86983E 00   MIN= 0.53790E 00   PEAK TO PEAK/2= 0.16596E 00

```
 5.0000E-01   I----------I----------I----------I----------I----------I----------I
              I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
 2.9999E-01   -                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
 1.0000E-01   -                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
-1.0000E-01   I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
-3.0000E-01   -                                                                 -
              I                                                                 I
              I                                                                 I
              I                                                                 I
              I                                                                 I
-5.0000E-01   I----------I----------I----------I----------I----------I----------I
              0         60        120       180       240       300       360
```

AZIMUTH POSITION IN DEGREES

```
BBBB      A      N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
B   B     A A    NN  N  D   D  E      D   D  G      E
BBBB     A   A   N N N  D   D  EEEE   D   D  G GGG  EEEE
B   B    AAAAA   N  NN  D   D  E      D   D  G   G  E
BBBB     A   A   N   N  DDDD   EEEEE  DDDD    GGGG  EEEEE
```

213

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION
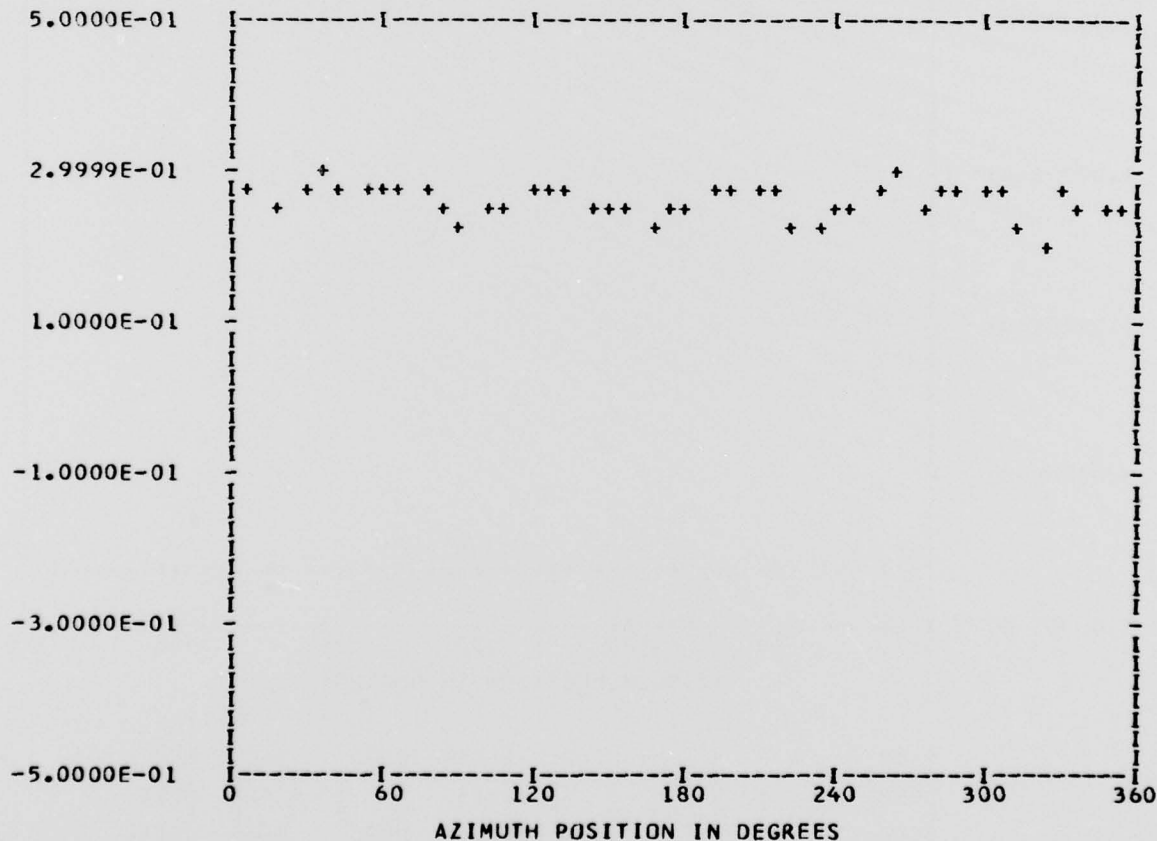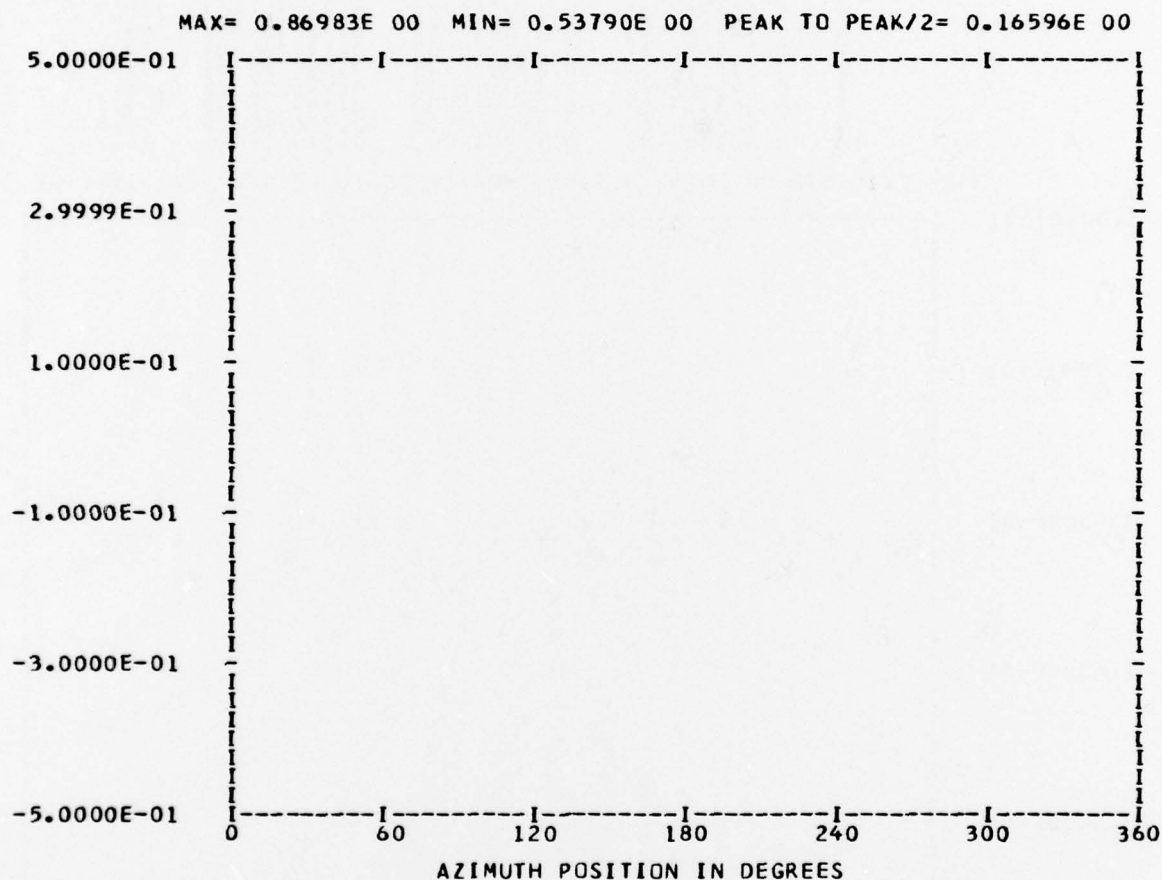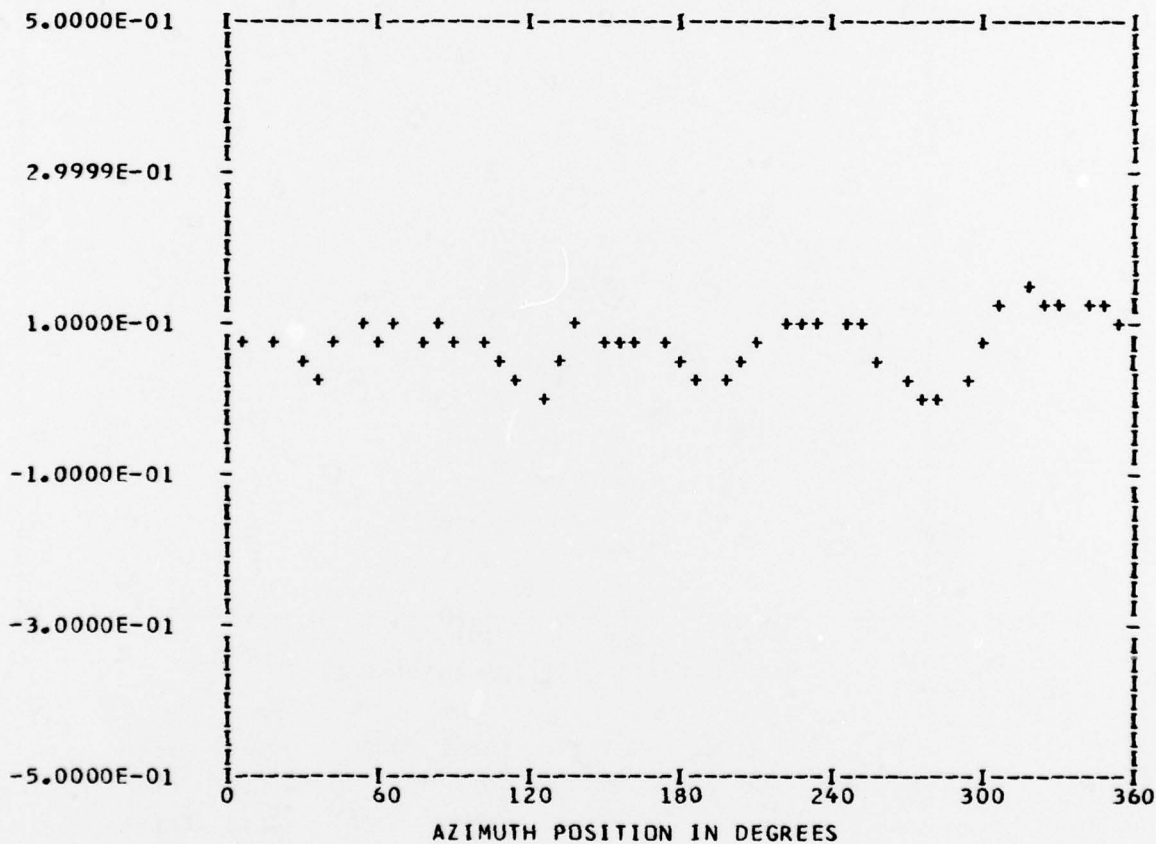
*** PS112.1   WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***
ENTERED   45   RUN   14
OUT OF RANGE   0   TP   3
BANDEDGE   0   CHAN   61

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
0.73189E-01	1	0.13567E-01	-0.84009E-02	0.15957E-01	121.7
	2	0.76258E-02	-0.50718E-02	0.91584E-02	123.6
	3	-0.13285E-01	-0.17801E-01	0.22212E-01	216.7
	4	-0.32696E-01	-0.26869E-02	0.32806E-01	265.3
	5	0.16968E-01	0.26272E-02	0.17170E-01	81.1
	6	0.55961E-02	-0.69981E-03	0.56396E-02	97.1
	7	-0.26546E-02	-0.91350E-02	0.95129E-02	196.2
	8	-0.14371E-02	-0.54452E-02	0.56317E-02	194.7
	9	0.66858E-02	0.38550E-02	0.77176E-02	60.0
	10	0.80580E-03	0.26801E-02	0.27986E-02	16.7

MAX= 0.15167E 00   MIN= 0.13628E-02   PEAK TO PEAK/2= 0.75154E-01

AZIMUTH POSITION IN DEGREES

214

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS112.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   44
BANDEDGE   44

RUN   14
TP   3
CHAN 48

HARMONIC ANALYSIS SKIPPED
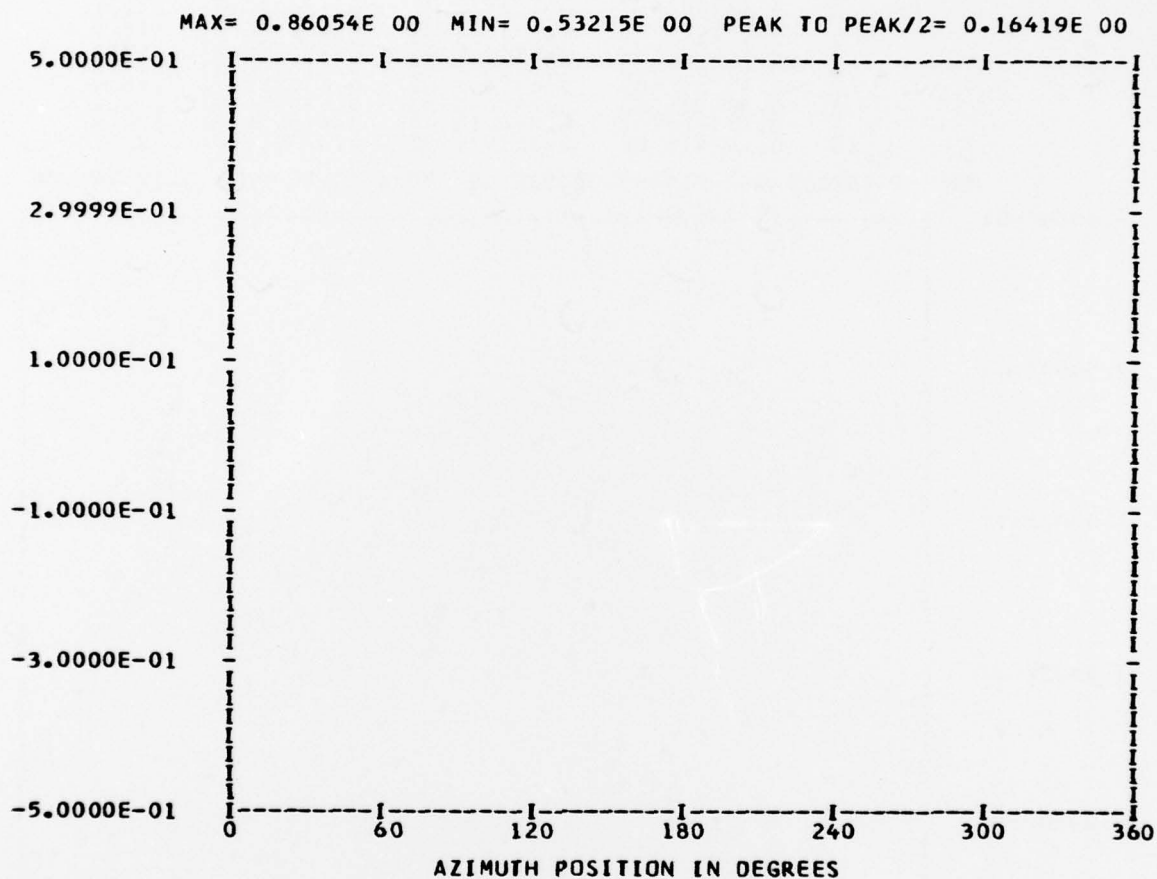
MAX= 0.86054E 00   MIN= 0.53215E 00   PEAK TO PEAK/2= 0.16419E 00

AZIMUTH POSITION IN DEGREES

215

UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.1 WAVEFORM ***
*** CYCLE   0   ***

*** DATA ANALYSIS ***   RUN   14
ENTERED   44   TP   3
OUT OF RANGE   0   CHAN   57
BANDEDGE   0

STEADY	HARM	COS COEFF	SIN COEFF	RES	PHASE
-0.28190E 00	1	-0.19895E-01	-0.12563E-01	0.23529E-01	237.7
	2	0.45566E-02	0.87316E-02	0.98490E-02	27.5
	3	0.19385E-02	-0.18833E-01	0.18932E-01	174.1
	4	-0.16404E-02	0.65130E-01	0.65150E-01	358.5
	5	0.12692E-01	0.15200E-01	0.19803E-01	39.8
	6	-0.46669E-02	-0.99992E-02	0.11034E-01	205.0
	7	-0.40004E-03	0.63750E-02	0.63875E-02	356.4
	8	-0.58801E-02	0.25508E-02	0.64095E-02	293.4
	9	-0.32575E-02	-0.26421E-02	0.41943E-02	230.9
	10	0.19971E-02	0.31598E-02	0.37380E-02	32.2

MAX=-0.15367E 00   MIN=-0.40055E 00   PEAK TC PEAK/2= 0.12344E 00

AZIMUTH POSITION IN DEGREES

216

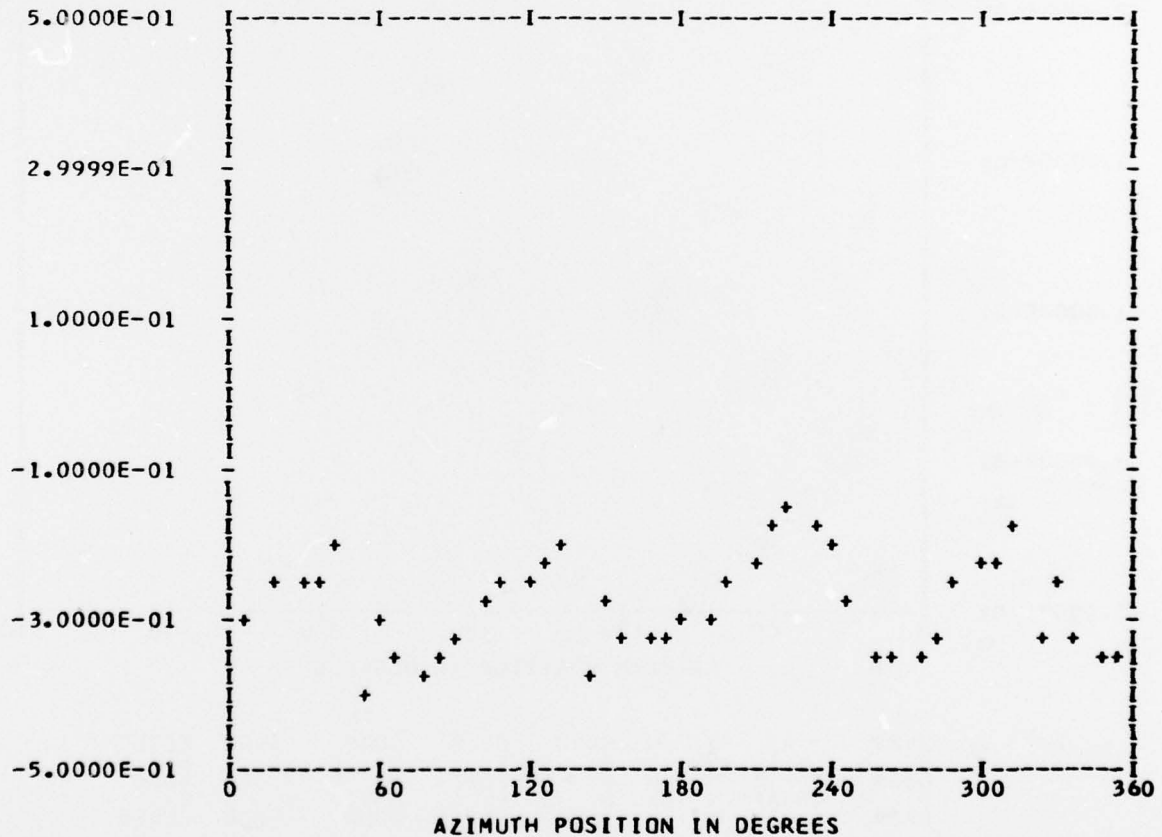UTTAS 1/5 TH SCALE MODEL FUSELAGE PRESSURES---AFT SECTION

*** PS117.2 WAVEFORM ***
*** CYCLE 0 ***

*** DATA ANALYSIS ***
ENTERED   44
OUT OF RANGE   43
BANDEDGE   36

RUN   14
TP   3
CHAN   53

HARMONIC ANALYSIS SKIPPED

MAX=-0.48501E 00   MIN=-0.52402E 00   PEAK TO PEAK/2= 0.19501E-01

```
5.0000E-01    I---------I---------I---------I---------I---------I---------I
              I                                                          I
              I                                                          I
              I                                                          II
              I                                                          II
              I                                                          II
              I                                                          I
2.9999E-01    -                                                          -
              I                                                          II
              I                                                          II
              I                                                          II
              I                                                          II
1.0000E-01    -                                                          -
              I                                                          II
              I                                                          II
              I                                                          II
              I                                                          I
              I                                                          II
-1.0000E-01   -                                                          I
              I                                                          I
              I                                                          II
              I                                                          II
              I                                                          II
-3.0000E-01   -                                                          -
              I                                                          II
              I                                                          II
              I                                                          II
              I+                                                         II
-5.0000E-01   I---------I---------I---------I---------I---------I---------I
              0        60        120       180       240       300      360
```

AZIMUTH POSITION IN DEGREES

```
BBBB     A     N   N   DDDD   EEEEE   DDDD    GGGG   EEEEE
B   B   A A   NN  N   D    D  E       D    D  G      E
BBBB   A   A  N N N   D    D  EEEE    D    D  G GGG  EEEE
B   B  AAAAA  N  NN   D    D  E       D    D  G   G  E
BBBB   A    A N   N   DDDD    EEEEE   DDDD    GGGG   EEEEE
```

217

10622-78